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REPORT OF DATA COLLECTED FOR ECOLOGICAL STUDIES
FOR THE OYSTER CREEK GENERATING STATION

SEPTEMBER 1978 - MARCH 1979

PART TWO
APPENDIX TABLES

by

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For

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Appendix Table 1. Number and weight (g.) of fishes and macroinvertebrates impinged on the traveling screens at the Oyster Creek Generating Station from 3 September 1978 through 31 March 1979.

Date (mo day) Hour Duration (hr min) Tide Temp (deg C) air sfc bottom Salinity (ppt) sfc bottom Oxygen sfc bottom pH sfc bottom	Sep 5		Sep 6		Sep 6		Sep 6		Sep 7		Sep 7		Sep 7	
	No.	Wt.												
	3	275	3	390	1	79	2	196	1	159	3	306	3	2320
Vertebrates	1	91	1	88	1	110	2	91	1	159	3	306	3	2320
Anguilla rostrata	1	91	1	88	1	110	2	91	1	159	3	306	3	2320
Alosa aestivalis	2	340	10	29	7	25	10	25	4	10	5	15	2	143
Alosa pseudoharengus	10	29	6	229	7	26	1	3	4	15	6	44	1	6
Brevoortia tyrannus	4	213	3	9	7	26	1	3	4	15	6	44	1	3
Anchoa mitchilli	2	71	2	71	1	77	1	77	1	77	1	77	1	3
Opsanus tau	2	71	2	71	1	77	1	77	1	77	1	77	1	3
Syngnathus fuscus	2	71	2	71	1	77	1	77	1	77	1	77	1	3
Pomatomus saltatrix	2	71	2	71	1	77	1	77	1	77	1	77	1	3
Caranx hippos	2	71	2	71	1	77	1	77	1	77	1	77	1	3
Selene vomer	2	71	2	71	1	77	1	77	1	77	1	77	1	3
Cynoscion regalis	9	26	6	13	8	23	8	31	4	16	6	16	6	19
Priodontes evolvans	1	43	1	43	1	11	1	11	1	11	1	11	1	3
Trinectes maculatus	1	43	1	43	1	11	1	11	1	11	1	11	1	3
Sphoeroides maculatus	4	83	5	5	2	373	2	373	2	373	1	17	1	5
Fish fragments	33	1062	23	855	27	352	24	350	16	574	22	484	12	183
Totals	7	6	6	6	8	8	6	6	6	6	6	6	6	6
Invertebrates	1	20	1	20	2	71	2	71	1	924	1	3	1	23
Aegourea spp	2	22	2	9	3	17	2	26	1	924	1	3	1	9
Limulus polyphemus	2	22	2	9	3	17	2	26	1	924	1	3	1	9
Penaeus aztecus	2	22	2	9	3	17	2	26	1	924	1	3	1	9
Palaeomonetes vulgaris	2	22	2	9	3	17	2	26	1	924	1	3	1	9
Crangon septemspinosa	6	7	1	1	5	5	7	5	4	2	2	3	1	2
Ovalipes ocellatus	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Portunus gibbesi	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Callinectes sapidus	230	11875	296	21753	518	41436	352	23500	338	11905	386	18543	320	22418
Callinectes similis	1	10	1	10	2	82	2	82	1	10	2	82	3	18
Panopeus herbstii	1	10	1	10	2	82	2	82	1	10	2	82	3	18
Phylum Echinodermata	1	10	1	10	2	82	2	82	1	10	2	82	3	18

Appendix Table 1. (cont.)

Date (mo day)	Sep 5 2020	Sep 5 2220	Sep 6 20	Sep 6 220	Sep 6 420	Sep 7 1920	Sep 7 2120	Sep 7 2320
Hour	3	3	3	4	4	3	3	3
Period	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0
Duration (hr min)	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0
Phylum Nemertea	239	301	527	346	357	389	389	326
Totals	11924	21793	41487	26935	23533	12833	18549	22470
Taxa	4	5	5	8	4	5	3	5
Grand Totals	272	324	546	373	381	411	411	338
Total Taxa	11	11	12	16	10	11	9	11

Appendix Table 1. (cont.)

Date (mo day) Hour	Sep 8 120	Sep 11 2015	Sep 11 2115	Sep 11 2315	Sep 12 1115	Sep 12 300	Sep 14 1920	Sep 14 2220	Sep 11		Sep 12		Sep 14	
									No.	Wt.	No.	Wt.	No.	Wt.
Period	2 0	1 0	2 0	2 0	1 45	3 20	2 0	1 0						
Duration (hr min)	Flood II	Ebb I	Ebb II	Ebb II	Flood I	Flood II	Flood II	Ebb I						
Tide	19.8	21.8	20.8	20.8	21.0	21.0	15.8	12.0						
Temp (deg C)	air	24.3	22.8	22.5	22.2	22.0	18.6	17.9						
	sfc	23.4	22.8	22.5	22.2	22.0	18.9	17.9						
	bottom	23.4	24.3	22.5	22.2	22.0	18.9	17.9						
Salinity (ppt)	sfc	15.0	17.0	17.0	17.0	17.0	15.0	14.5						
	bottom	15.0	17.0	17.0	17.0	17.0	15.0	14.5						
Oxygen	sfc	6.3	7.5	7.0	6.9	6.6	8.3	8.0						
	bottom	6.1	7.5	7.0	6.9	6.6	8.3	8.0						
pH	sfc	7.9	8.1	8.0	7.9	7.9	7.9	8.0						
	bottom	8.0	8.0	8.0	7.9	7.9	7.8	8.0						
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dasyatis sayi	-	-	-	-	1	268	-	-	1	400	-	-	-	-
Anguilla rostrata	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alosa aestivalis	2	201	2	248	-	-	2	265	2	265	-	-	1	146
Brevoortia tyrannus	1	27	11	42	15	25	4	61	27	61	34	99	2	4
Anchoa mitchilli	3	298	6	69	4	318	2	364	4	364	2	19	2	19
Opsanus tau	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strongylura marina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Menidia menidia	-	-	-	-	-	-	-	-	-	-	20	56	8	13
Syngnathus fuscus	2	25	-	-	1	4	-	-	1	6	-	-	-	-
Pomatomus saltatrix	1	1	1	1	2	2	2	3	3	3	2	4	1	13
Caranx hippos	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selene vomer	1	9	-	-	1	3	4	23	4	23	15	189	9	127
Cynoscion regalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mugil curema	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chasmodes bosquianus	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prionotus evolvans	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinectes maculatus	1	2	1	19	1	17	3	42	-	-	-	-	1	73
Sphoeroides maculatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish fragments	6	37	18	634	31	717	22	577	12	106	87	1971	64	558
Totals	6	37	18	634	31	717	22	577	12	106	87	1971	64	558
Taxa	4	6	6	6	10	10	7	7	5	5	13	13	11	11
Invertebrates	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penaeus aztecus	1	13	3	24	5	62	2	15	2	22	11	175	3	45
Ovalipes ocellatus	1	5	11	16	6	9	3	5	3	4	2	3	2	4
Callinectes sapidus	277	19406	255	11029	544	26750	368	17550	391	22500	719	36736	330	15899
Callinectes similis	278	19407	260	11047	555	26821	372	17570	396	22526	732	36914	336	15951
Totals	2	3	3	3	3	3	3	3	3	3	3	3	3	3
Taxa	284	19444	278	11681	586	27538	394	18147	408	22632	819	38885	400	16509
Grand Totals	6	11	11	11	13	13	10	16	8	8	16	15	15	15
Total Taxa	6	11	11	11	13	13	10	16	8	8	16	15	15	15

Appendix Table 1. (cont.)

Date (mo day) Hour	Sep 15		Sep 15		Sep 15		Sep 18		Sep 18		Sep 19		Sep 19	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Period			2	0	4	4	2	0	3	3	2	0	4	4
Duration (hr min)			1	0	4	4	2	0	2	0	2	0	2	0
Tide			Ebb II		Flood I		Flood II		Flood II		Ebb I		Ebb I	
Temp (deg C)			16.0		14.5		21.0		20.5		19.8		21.3	
			18.0		18.4		21.7		21.8		21.4		21.5	
					18.5		21.8							
Salinity (ppt)			15.0		15.0		16.0		16.5		16.0		16.0	
			sfc		15.0		16.0						16.0	
Oxygen			8.2		7.1		9.5		9.2		9.0		9.0	
			sfc		7.2		8.0		7.8		7.9		7.9	
pH			8.0		7.9		8.0		7.9		7.9		7.9	
			sfc		7.9		8.0							
			bottom		7.9		8.0							
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates														
Dasyatis sayi	1	541			1	128								
Alosa aestivalis	2	41									1	93		
Brevoortia tyrannus			1	18										
Anchoa mitchilli	32	83	22	74	20	63								
Opsanus tau			2	43	3	19			1	4				
Syngnathus fuscus	2	4	2	6	1	4								
Romatomus saltatrix														
Caranx hippos	3	3	1	1	4	5								
Cynoscion regalis	3	28	2	20	4	30								
Mugil curema	1	17												
Hypsoblennius hentzi					1	7								
Peprilus triacanthus			1	1										
Prionotus evolans			2	37	2	56								
Spherooides														
maculatus			1	46										
Fish fragments	44	725	35	412	36	342	2	130	1	4	1	43	1	93
Totals	7		10		8		2		1		0		1	
Taxa														
Invertebrates														
Penaeus aztecus	1	9	4	40	1	12					1	10		
Palaemonetes														
vulgaris					1	1								
Ovalipes ocellatus	1	3	1	2	1	2								
Callinectes sapidus	194	11795	161	11150	173	10500	21	693	25	943	35	1911	27	1278
Callinectes similis			1	10										
Phylum Nemertea			1	9										
Totals	196	11807	168	11211	176	10515	22	694	25	943	35	1911	29	1289
Taxa	3		5		4		2		1		1		3	
Grand Totals	240	12532	203	11623	212	10857	24	824	26	947	35	1954	30	1382
Total Taxa	10		15		12		4		2		1		4	

Grand Totals
Total Taxa

Appendix Table 1. (cont.)

Date (mo day)	Nov 21	Nov 21	Nov 21	Nov 21	Nov 21	Nov 21	Nov 21	Nov 21	Nov 21	Nov 21	Nov 22	Nov 22	Nov 22	Nov 22	Nov 27	
Hour	1620	1820	2020	2220	2020	2220	2020	2220	2020	2220	205	420	420	1744		
Period	3	3	3	4	3	4	4	4	4	4	4	4	4	3		
Duration (hr min)	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	2 15	2 0	2 0	1 36		
Tide	Ebb II	Ebb II	Flood I	Ebb I	Ebb I	Ebb I	Ebb I									
Temp (deg C)	7.3	7.0	6.9	4.8	9.6	9.6	9.6	9.5	4.0	9.5	3.5	3.0	3.0	9.5		
air	10.0	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.4	9.4	9.4	5.6		
sfc	9.9	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.2	9.2	9.2	9.2	6.7		
bottom	19.0	21.0	20.5	25.0	20.5	25.0	25.0	20.0	20.0	19.0	20.0	19.0	19.0	19.0		
Salinity (ppt) sfc	21.0	10.0	9.4	9.9	9.4	9.9	9.9	9.8	9.7	20.0	20.0	20.0	20.0	19.0		
bottom	10.0	10.0	9.4	9.9	9.4	9.9	9.9	9.8	9.7	9.7	9.7	9.6	9.6	9.4		
Oxygen sfc	10.0	7.8	7.8	7.7	7.8	7.7	7.7	7.9	7.9	10.0	10.0	10.0	10.0	9.4		
bottom	7.6	7.8	7.8	7.7	7.8	7.7	7.7	7.9	7.9	7.8	7.8	7.8	7.8	7.8		
pH bottom	7.8	7.8	7.8	7.7	7.8	7.7	7.7	7.9	7.9	7.8	7.8	7.8	7.8	7.9		
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Anguilla rostrata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	246
Conger oceanicus	-	-	-	-	-	-	-	-	-	-	-	-	-	2	39	
<i>Opsanus tau</i>	-	1	21	43	1	43	-	-	1	151	-	-	-	-	-	
Fundulus heteroclitus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
<i>Menidia menidia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	5	21	
<i>Syngnathus fuscus</i>	115	217	113	229	56	109	26	57	9	23	7	7	3	108	181	
Centropristis striata	-	-	-	-	-	-	1	8	-	-	-	-	-	-	-	-
<i>Bairdiella chrysura</i>	1	2	-	-	1	4	-	-	-	-	-	-	-	1	14	
<i>Tautoga onitis</i>	-	-	-	-	2	21	1	9	-	-	-	-	-	2	1	
<i>Hypsoblennius hentzi</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
<i>Gobiosoma boscii</i>	-	-	-	-	3	15	2	10	1	6	1	3	1	1	3	
<i>Pteronotus evolvans</i>	-	-	-	-	1	6	-	-	-	-	-	-	-	21	193	
<i>Etropus microstomus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Fish fragments	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
Totals	116	219	117	265	61	183	30	85	9	23	4	13	5	161	143	700
Taxa	2	3	5	4	2	2	2	2	1	1	3	3	3	9	9	
Invertebrates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonetes vulgaris	-	1	1	-	-	-	-	-	-	-	-	-	-	-	7	7
Crangon septemspinosus	-	1	1	1	1	1	-	-	-	-	1	1	1	793	867	
<i>Ovalipes ocellatus</i>	11	39	62	277	50	283	31	189	10	50	18	94	28	125	1	1
<i>Callinectes sapidus</i>	-	-	1	6	3	9	2	5	-	-	-	-	-	-	-	-
Totals	11	39	65	285	54	293	33	194	10	50	18	94	29	126	801	875
Taxa	1	4	3	3	2	2	2	2	1	1	2	2	2	3	3	
Grand Totals	127	258	182	550	115	476	63	279	19	73	22	107	34	287	944	1575
Total Taxa	3	7	8	7	3	6	6	6	2	2	3	5	5	12	12	

Appendix Table 1. (cont.)

Date (mo day) Hour	Nov 27		Nov 27		Nov 27		Nov 27		Nov 28		Nov 28		Nov 28		Dec 4		Dec 4		Dec 4	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
1920	3	116	4	169	2	84	2	73	1	33	-	-	-	-	-	-	-	-	-	-
2 0	2	16	2	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ebb II	5	15	4	11	5	16	-	-	1	3	-	-	-	-	-	-	-	-	-	-
9.5	-	-	-	-	1	12	-	-	1	2	-	-	-	-	-	-	-	-	-	-
5.6	-	-	-	-	-	-	-	-	1	47	-	-	-	-	-	-	-	-	-	-
15.0	2	96	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sfc	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.6	31	113	3	15	4	40	1	8	-	-	-	-	-	-	-	-	-	-	-	-
sfc	1	1	31	145	31	137	5	25	6	25	-	-	-	-	-	-	-	-	-	-
bottom	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.8	89	278	89	179	30	58	23	41	7	16	-	-	-	-	-	-	-	-	-	-
sfc	2	39	2	13	1	7	1	7	4	112	-	-	-	-	-	-	-	-	-	-
bottom	2	39	11	272	1	14	4	70	-	-	-	-	-	-	-	-	-	-	-	-
Vertebrates	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conger oceanicus	11	7	6	3	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Alosa aestivalis	2	1	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brevoortia tyrannus	7	16	1	4	1	7	2	28	2	13	-	-	-	-	-	-	-	-	-	-
Anchoa mitchilli	40	375	20	136	8	80	1	105	8	40	-	-	-	-	-	-	-	-	-	-
Synodus foetens	-	-	3	458	1	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opsanus tau	1	5	4	73	2	37	2	21	1	11	-	-	-	-	-	-	-	-	-	-
Rissola marginata	262	1347	182	1505	91	674	56	547	30	253	-	-	-	-	-	-	-	-	-	-
Cyprinodon variegatus	16	16	15	15	13	13	13	13	8	8	-	-	-	-	-	-	-	-	-	-
Fundulus heteroclitus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Menidia menidia	27	113	31	145	31	137	5	25	6	25	-	-	-	-	-	-	-	-	-	-
Apeltes quadracus	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hippocampus erectus	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syngnathus fuscus	155	278	89	179	30	58	23	41	7	16	-	-	-	-	-	-	-	-	-	-
Centropristis striata	-	-	2	13	1	7	1	7	4	112	-	-	-	-	-	-	-	-	-	-
Tautoga onitis	2	39	11	272	1	14	4	70	-	-	-	-	-	-	-	-	-	-	-	-
Tautoglabrus adgersus	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gobiosoma sp.	11	7	6	3	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Gobiosoma boscii	2	1	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prionotus evolans	7	16	1	4	1	7	2	28	2	13	-	-	-	-	-	-	-	-	-	-
Etropus microstomus	40	375	20	136	8	80	1	105	8	40	-	-	-	-	-	-	-	-	-	-
Scophthalmus aquosus	-	-	3	458	1	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pseudopleuronectes americanus	1	5	4	73	2	37	2	21	1	11	-	-	-	-	-	-	-	-	-	-
Fish fragments	262	1347	182	1505	91	674	56	547	30	253	-	-	-	-	-	-	-	-	-	-
Totals	16	16	15	15	13	13	13	13	8	8	-	-	-	-	-	-	-	-	-	-
Taxa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Invertebrates	-	-	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class Polychaeta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix Table 1. (cont.)

Date (mo day)	Nov 27	Nov 28	Nov 28	Nov 28	Nov 28	Dec 4	Dec 4	Dec 4	Dec 4							
Hour	1920	2120	2320	4	4	4	4	120	420	1625	1825	2025	2025	2025	2025	
Period	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	
Duration (hr min)	2 0	2 0	2 0	2 0	2 0	2 0	2 0	3 0	2 0	2 0	2 0	2 0	2 0	2 0	2 0	
<i>Palaeomonetes vulgaris</i>	24	12	16	8	27	18	16	8	14	7	-	-	-	-	1	1
<i>Crangon septemspinosa</i>	810	984	1856	2080	3906	7245	3336	6464	777	1106	-	-	2	3	-	-
<i>Cancer irroratus</i>	-	-	-	-	-	-	-	-	1	106	-	-	-	-	-	-
<i>Ovalipes ocellatus</i>	1	6	7	28	6	71	4	120	3	8	-	-	-	-	-	-
<i>Callinectes sapidus</i>	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Invertebrate fragments	-	1	-	-	-	4	-	-	-	-	-	-	-	-	-	-
Phylum Nemertea	1	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	836	1015	1884	2123	3940	7339	3356	6592	795	1227	0	0	2	3	1	1
Taxa	5	4	4	5	5	3	3	4	4	0	1	1	1	1	1	1
Grand Totals	1098	2362	2066	3628	4031	8013	3412	7139	825	1480	1	2	3	14	1	1
Total Taxa	21	19	16	18	16	16	16	12	2	2	2	2	2	2	2	2

Appendix Table 1. (cont.)

Date (mo day) Hour	Dec 4 2225	Dec 5 25	Dec 5 225	Dec 5 425	Dec 7 1700	Dec 7 1830	Dec 7 2030	Dec 7 2230	Dec 7	
									No.	Wt.
Period	2.0	2.0	2.0	2.0	1.30	2.0	2.0	2.15		
Duration (hr min)	0	0	0	0	30	0	0	15		
Tide	Flood II	Flood II	Ebb I	Ebb II	Ebb I	Ebb I	Ebb II	Ebb II		
Temp (deg C)	air 6.5 9.1	6.0 8.8	5.0 8.6	4.5 8.6	9.5 7.8	8.1 7.6	9.5 7.6	9.0 7.6		
Salinity (ppt)	sfc 17.0	16.5	16.5	16.5	16.0	16.0	16.0	16.0		
Oxygen	sfc 10.1	10.2	10.2	10.7	12.8	11.5	11.1	12.0		
pH	bottom 8.0	7.4	7.5	7.5	8.1	8.0	8.0	8.0		
	bottom 8.1	7.8	7.8	7.8	8.1	8.0	8.0	8.0		
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates	-	-	-	-	-	-	-	-	-	-
Conger oceanicus	-	-	-	-	1	27	-	-	-	-
Alosa aestivalis	-	-	12	30	-	-	5	14	9	25
Brevoortia tyrannus	-	-	19	1128	-	-	4	401	3	257
Anchoa mitchilli	-	-	-	-	-	-	1	3	-	-
Opsanus tau	-	-	1	3	-	-	7	19	6	55
Rissola marginata	-	-	-	-	1	35	-	-	-	-
Cyprinodon variegatus	-	-	-	-	-	-	1	1	-	-
Fundulus heteroclitus	-	-	3	6	-	-	1	8	3	12
Menidia beryllina	-	-	1	2	-	-	1	2	-	-
Menidia menidia	-	-	107	356	29	174	12	46	46	157
Apeltes quadracus	-	-	5	7	3	3	3	7	6	3
Syngnathus fuscus	-	-	127	266	36	68	168	278	171	374
Centropristis striata	-	-	-	-	-	-	-	-	1	5
Bairdiella chrysura	-	-	-	-	-	-	2	4	3	10
Micropogon undulatus	-	-	1	3	2	4	-	-	-	-
Tautoga onitis	-	-	2	25	2	49	8	77	6	212
Tautoglabrus adspersus	-	-	-	-	-	-	2	11	1	2
Astrosopus guttatus	-	-	-	-	-	-	1	29	-	-
Chasmodes bosquianus	-	-	1	5	-	-	1	6	-	-
Hypsoblennius hentzi	-	-	1	12	1	10	1	-	2	24
Gobiosoma bosci	-	-	72	24	20	13	54	38	16	8
Prionotus evolvans	-	-	-	-	2	9	-	-	1	4
Myoxocephalus aeneus	-	-	27	171	2	7	-	-	1	12
Etropus microstomus	-	-	-	-	2	26	3	26	7	40
Scophthalmus aquosus	-	-	-	-	-	-	-	-	1	80
Pseudopleuronectes americanus	-	-	3	46	2	317	1	37	2	1168
T. inectes maculatus	-	-	1	15	1	12	-	-	1	8

Appendix Table 1. (cont.)

Date (mo day)	Dec 4 2225	Dec 5 225	Dec 5 425	Dec 7 1700	Dec 7 1830	Dec 7 2030	Dec 7 2230
Hour	4	4	4	3	3	3	4
Period	2	2	2	1	2	2	2
Duration (hr min)	0	0	0	30	0	0	15
Fish fragments	0	0	0	383	104	275	286
Taxa	0	0	0	16	15	18	19
Invertebrates	-	-	-	-	-	-	-
Aequorea spp	-	-	-	1	1	17	15
Class Polychaeta	-	-	-	-	-	38	23
Palaeomonetes vulgaris	-	-	-	277	85	180	29
Crangon septempinosus	1	3	4	2998	978	4340	4408
Cancer irroratus	-	-	-	-	1	4	9
Ovalipes ocellatus	-	-	-	32	112	44	104
Callinectes sapidus	-	-	-	5	2	11	27
Neopanope sayi	-	-	-	1	-	-	-
Invertebrate fragments	-	-	-	-	-	72	-
Phylum Nemertea	1	3	4	-	3	1	5
Totals	1	3	4	3314	1182	4597	4597
Taxa	1	1	1	7	7	8	7
Grand Totals	1	3	4	3697	1286	5698	4883
Total Taxa	1	1	1	23	22	26	26

Appendix Table 1. (cont.)

Date (mo day)	Dec 8	Dec 11	Dec 12								
Hour	45	215	430	1655	1925	2230	2330	2330	2330	2330	130
Period	4	4	4	3	3	4	4	4	4	4	4
Duration (hr min)	1 30	2 15	2 0	2 30	2 5	1 0	2 0	2 0	2 0	2 0	2 0
<i>Ectopius microstomus</i>	10	76	6	34	11	3	33	9	67	17	141
<i>Scophthalmus aquosus</i>	-	-	-	1	-	-	-	-	-	2	382
<i>Pseudopleuronectes americanus</i>	3	242	7	9	22	5	93	14	885	20	1166
<i>Trinectes maculatus</i>	2	56	2	-	-	1	20	-	-	-	-
Fish fragments	-	-	-	94	6	-	17	-	17	-	22
Totals	191	1112	155	987	769	564	2322	949	7116	1325	11790
Taxa	17	20	15	21	17	16	20	20	20	19	19
Invertebrates	23	24	23	8	7	4	8	-	-	6	17
Class Polychaeta	-	-	-	-	-	-	-	-	-	-	-
Palaeomonetes vulgaris	75	25	108	416	300	126	56	144	144	275	385
Crangon septempinnosa	4100	4175	4131	6768	6084	3864	4270	3726	5319	4510	5720
Cancer irroratus	7	544	9	6	1	5	225	12	630	9	404
Carcinus maenas	-	-	-	-	-	-	-	-	-	-	-
Ovalipes ocellatus	66	292	81	12	18	7	33	14	77	5	38
Callinectes sapidus	12	268	15	2	-	-	-	-	-	-	-
Invertebrate fragments	-	-	-	-	-	-	-	-	14	-	-
Rhyalum Nemeritea	2	13	2	-	1	-	-	-	-	-	-
Totals	4285	5341	4369	7212	6411	4006	4592	3896	6184	4805	6564
Taxa	7	7	7	6	6	5	5	5	5	5	5
Grand Totals	4476	6453	4524	8199	7180	4570	6914	4845	13300	6130	18354
Total Taxa	24	27	22	27	23	21	25	25	25	24	24

Appendix Table 1. (cont.)

Date (mo day)	Dec 12		Dec 14		Dec 14		Dec 14		Dec 14		Dec 15		Dec 15		Dec 18	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Hour																
Period																
Duration (hr min)																
Tide																
Temp (deg C)																
air																
sfc																
bottom																
Salinity (ppt)																
sfc																
bottom																
Oxygen																
sfc																
bottom																
pH																
sfc																
bottom																
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates																
Anguilla rostrata																
Conger oceanicus																
Alosa aestivalis	327	1077														
Alosa pseudoharengus																
Alosa sapidissima	68	5504														
Brevoortia tyrannus	59	244														
Anchoa mitchilli	1	3														
Opsanus tau																
Merluccius bilinearis	6	42														
Urophycis chuss																
Cyprinodon variegatus																
Fundulus heteroclitus																
Fundulus majalis																
Meridia menidia	960	3807														
Apeltes quadracus	3	3														
Gasterosteus aculeatus																
Syngnathus fuscus	68	132														
Centropristis striata																
Bairdiella chrysura																
Cynoscion regalis	3	113														
Leiostomus xanthurus																
Micropteron undulatus																
Pogonias cromis																
Tautoga onitis	19	279														
Tautoglabrus adspersus																
Ammodytes sp.																
Gobiosoma boscii	4	4														

Appendix Table 1. (cont.)

Date (mo day)	Dec 12	Dec 14	Dec 15	Dec 15	Dec 15	Dec 18					
Hour	330	1630	1930	2130	2330	215	330	1700			
Period	4	3	3	3	4	4	4	3			
Duration (hr min)	2 0	2 0	2 0	2 0	2 0	1 15	2 0	0 30			
Reprilus triacanthus	5	2	2	1	1	1	1	1	1	1	1
Prionotus evolans	1	1	1	2	2	2	2	2	2	2	2
Myoxocephalus aeneus	4	5	6	6	6	10	10	10	10	10	10
Etropus microstomus	51	40	23	17	17	16	16	16	16	16	16
Paralichthys dentatus	-	1	3	2	2	2	2	2	2	2	2
Scophthalmus aquosus	-	2	3	3	3	3	3	3	3	3	3
Pseudopleuronectes americanus	47	48	95	232	104	8500	31	1904	41	2678	245
Totals	1622	2287	1520	1427	2859	20221	1175	5931	2427	31674	1500
Taxa	15	24	20	21	21	17	17	18	18	18	18
Invertebrates	14	3	5	10	2	3	3	4	4	7	5
Class Polychaeta	-	7	280	280	280	280	280	280	280	280	280
Palaemonetes vulgaris	200	1021	601	280	448	224	138	69	84	42	336
Crangon septemspinosus	4740	9910	8440	3360	6816	7472	8165	8671	8442	10500	9957
Cancer irroratus	6	6	6	3	6	314	5	307	2	68	1
Carcinus maenas	5	2	1	-	-	-	-	-	-	-	-
Ovalipes ocellatus	5	2	2	-	-	-	-	-	-	-	-
Callinectes sapidus	-	1	1	-	-	-	-	-	-	-	-
Phylum Nemertea	4965	10944	9388	3653	7272	8013	8311	9051	8532	10617	10297
Totals	5	7	6	4	4	4	4	4	4	4	4
Grand Totals	6587	13231	32776	5080	10131	28234	9486	14982	10959	42291	11797
Total Taxa	20	31	26	25	25	21	21	23	23	22	22

Appendix Table 1. (cont.)

	Dec 18		Dec 19		Dec 19		Dec 21		Dec 21		Dec 21	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Hour		1930		2230		300		550		1630		2140
Period		3		4		4		4		3		3
Duration (hr min)		1 0		1 0		0 45		0 40		1 10		0 50
Tide		Flood I		Flood II		Ebb I		Ebb II		Ebb I		Ebb II
Temp (deg C)		3.1		2.0		-3.0		-4.5		4.0		2.5
air		2.7		2.8		1.7		1.6		3.8		3.8
sfc								1.5		5.6		
bottom								17.0		23.0		23.0
Salinity (ppt) sfc		19.0		20.0		17.0		17.0		23.0		23.0
bottom								10.9		11.9		11.9
Oxygen sfc		10.9		10.4		11.2		10.9		11.9		11.9
bottom								11.3		11.9		11.9
pH sfc		8.0		7.8		7.9		7.8		8.0		8.0
bottom								7.9		8.0		8.0
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates												
Anguilla rostrata	1	78	1	1500					2	1300		
Aloosa aestivalis	184	375	30	117	27	76	30	84	1	3	31	93
Aloosa sapidissima	36	5322	43	7800	23	2726	10	979	4	438	10	1006
Brevoortia tyrannus	2	6	2	16	1	5		6		5	11	6
Anchoa mitchilli							1	6		2	19	2
Opsanus tau	2	44	2	23	2	32						
Urophycis chuss												
Cyprinodon variegatus	13	34	13	28	11	18	13	20	3	4	1	1
Fundulus heteroclitus	1	1			2	5	2	5	1	2		
Fundulus majalis	684	1924	80	440	75	312	170	651	47	197	27	105
Menidia menidia	1	1	5	14	14	12	19	19	10	7	6	5
Apeltes quadracus												
Gasterosteus aculeatus	32	61	10	16	7	12	49	85	27	44	1	2
Syngnathus fuscus			2	5								
Micropogon undulatus	13	280	5	119	7	106	4	334	1	18	5	167
Tautoga onitis												
Tautoglabrus adspersus	1	6	1	14	1	4	1	6				
Chasmodes bosquianus												
Gobiosoma boscii			40	40	20	20	58	58		26	26	26
Prionotus carolinus					1	1						
Prionotus evolans	1	4							1	13		
Myoxocephalus aeneus					2	122					1	12
Etropus microstomus	2	3			2	18	3	20			2	10
Scophthalmus agosus	1	208	2	435								
Pseudopleuronectes americanus	534	25822	866	16471	295	9061	210	17000	58	10250	59	13301
Fish fragments	1508	34169	1103	27046	490	12530	572	19277	154	11005	178	16058
Totals	16		16		16		15		11		14	

Table

Appendix Table 1. (cont.)

Date (mo day)	Dec 18	Dec 18	Dec 18	Dec 19	Dec 19	Dec 19	Dec 21	Dec 21	Dec 21	Dec 21						
Hour	1930	2230	30	300	300	1630	1900	1900	2140	2140						
Period	3	4	4	4	4	3	3	3	3	3						
Duration (hr min)	1 0	1 0	1 0	0 45	0 45	1 10	0 50	0 50	0 50	0 50						
Class Polychaeta	22	19	10	31	3	8	2	4	3	5	1	2				
Palaeomonetes vulgaris	-	-	200	100	348	174	216	54	184	132	132	51				
Crangon septemspinosus	4320	3915	5460	7140	8300	10000	11600	11658	1566	1404	2034	1954	1635	1770	1176	1372
Cancer irroratus	2	90	1	45	1	64	-	-	-	-	-	-	-	-	-	-
Ovalipes ocellatus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Invertebrate fragments	4344	4058	5480	7212	8511	10195	11951	11851	1784	1467	2221	2101	1767	1840	1178	1388
Taxa	3	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4
Grand Totals	5852	38227	6583	34258	9001	22725	12523	31128	1938	12472	2399	18159	1949	16231	1289	13048
Total Taxa	19	19	20	20	19	19	15	15	18	15	15	15	15	15	14	14

Appendix Table 1. (cont.)

Date (mo day)	Dec 21	Dec 22	Dec 22	Dec 22	Dec 22	Dec 27	Dec 27	Dec 27	Dec 27
Hour	2330	130	320	530	1650	1845	2130	2305	
Period	4	4	4	4	3	3	3	4	
Duration (hr min)	1 0	0 50	1 10	1 0	1 3	0 50	0 35	0 25	
Tylnectes maculatus	102	61	81	96	171	355	259	194	6600
Totals	8541	3929	3853	3170	9431	18547	7144	14	
Taxa	9	14	10	15	14	19	15	14	
Invertebrates									
Aequorea spp	1	2	1	1	2	19			
Mytilus edulis	16	10	4	4	3	4	6	5	9
Class Polychaeta									
Palaemonetes vulgaris	170	140	195	74	484	1040	372	300	120
Crangon septemspinosa	1360	980	1105	1710	4949	6032	4154	3150	2790
Cancer irroratus	1	1							
Callinectes sapidus	1548	1133	1305	1487	5003	7081	4532	3455	2919
Totals	5	5	4	5	4	4	3	3	
Taxa	1650	10434	1194	5175	1386	7436	24438	4791	9519
Grand Totals	14	19	14	20	18	23	18	17	
Total Taxa									

Appendix Table 1. (cont.)

Date (mo day)	Dec 28													
Hour	30	215	530	1725	1930	2130	2230							
Period	4	4	4	3	3	3	4							
Duration (hr min)	0 35	1 15	1 0	0 40	1 0	1 0	1 0							
<i>Eriopus microstomus</i>	1	1	1	1	1	1	1							
<i>Scophthalmus aquosus</i>														
<i>Pseudopleuronectes americanus</i>	59	3387	107	8100	10	97	50	2454	122	3780	131	7112	105	10095
Totals	248	4279	349	10798	77	644	136	3559	446	6367	409	9012	294	11868
Taxa	13	23	15	18	18	18	19	19	19	19	19	19	19	22
Invertebrates														
<i>Mytilus edulis</i>	3	1	3	10	4	3	9	10	8	8	3	8	7	9
Class Polychaeta														
<i>Palaeomonetes vulgaris</i>	285	114	646	228	200	100	325	125	195	65			275	61
Crangon														
<i>septemspinosa</i>	5719	4427	9690	7258	1200	800	5426	4729	4793	4854	2968	2585	5500	4895
Cancer irroratus														
<i>Callinectes sapidus</i>	6007	4550	10340	7542	1403	903	5761	4865	4992	4927	2971	2593	5783	4992
Totals	3	5	3	4	3	3	4	3	3	3	2	2	4	3
Grand Totals	6255	8829	10689	18340	1480	1547	5897	8424	5438	11294	3380	11605	6077	16860
Total Taxa	16	28	18	21	21	21	23	23	23	23	23	23	23	25

Appendix Table 1. (cont.)

Date (mo day)	Dec 29	Dec 29	Jan 3	Jan 3	Jan 3	Jan 3	Jan 4	Jan 4	Jan 4	Jan 4
Hour	215	430	1730	2015	2315	205	205	205	205	345
Period	4	4	3	3	4	4	4	4	4	4
Duration (hr min)	1 15	1 35	0 55	0 30	0 10	0 20	0 15	0 20	0 20	0 35
Class Polychaeta	1	14	2	7	3	6	2	5	1	1
Palaeomonetes vulgaris	65	50	312	700	69	46	260	100	54	26
Crangon septemspinosa	4160	2475	1771	2660	506	368	820	980	486	405
Cancer irroratus	1	1	1	1	1	1	1	1	1	28
Callinectes sapidus	1	1	1	1	1	1	1	1	1	8
Asterias forbesi	1	1	1	1	1	1	1	1	1	1
Phylum Nemertea	4228	2540	2085	3362	578	420	1081	1081	544	473
Totals	5	4	3	3	3	3	3	3	5	3
Grand Totals	4449	7605	2693	3787	67072	4461	205216	717	16151	1193
Total Taxa	21	21	15	19	13	12	12	14	14	12

Appendix Table 1. (cont.)

Date (mo day)	Jan 4	Jan 5	Jan 8								
Hour	530	1710	2045	2315	2315	235	235	445	445	1655	1655
Period	4	3	3	4	4	4	4	4	4	3	3
Duration (hr. min)	0 50	1 20	0 55	0 20	0 20	0 40	0 40	1 45	1 45	1 35	1 35
<i>Scophthalmus aquosus</i>	-	2	115	-	-	-	1	1	1	6	-
<i>Pseudopleuronectes americanus</i>	21	53	2467	13	486	30	1237	48	4502	28	2034
Fish fragments	-	9	-	-	-	16	16	-	-	28	-
Totals	299	539	5077	287	1375	1278	6125	669	6795	463	5433
Taxa	7	16	12	8	16	16	17	16	16	10	10
Invertebrates	-	3	8	1	3	2	2	2	8	6	13
Class Polychaeta	-	-	-	-	-	-	-	-	-	-	-
Palaeomonetes vulgaris	161	155	1200	119	51	100	40	120	30	258	808
Crangon	616	506	6322	850	731	1960	1580	1350	960	1720	1419
<i>septemspinosa</i>	-	-	-	-	-	-	-	-	1	-	-
<i>Cancer irroratus</i>	-	-	-	-	-	-	-	-	162	-	-
<i>Callinectes sapidus</i>	777	575	6481	970	785	2062	1622	1473	1160	1984	1643
Totals	2	4	3	3	3	3	4	4	3	3	3
Taxa	1076	4363	7020	13819	11565	14585	1257	2160	3340	7747	2142
Grand Totals	9	20	15	11	19	19	21	21	19	19	13
Total Taxa	1076	4363	7020	13819	11565	14585	1257	2160	3340	7747	2142
	9	20	15	11	19	19	21	21	19	19	13

Appendix Table 1. (cont.)

Date (mo day)	Jan 8 1930		Jan 8 2130		Jan 8 2330		Jan 9 130		Jan 9 430		Jan 11 1730		Jan 11 2025		Jan 11 2230	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Hour	3		3		4		4		4		3		3		4	
Period	1 0		2 0		2 0		2 0		2 0		1 55		1 5		1 0	
Duration (hr min)	Ebb I		Ebb II		Ebb II		Flood I		Flood II		Flood I		Flood II		Ebb I	
Tide	0-8		-2.5		-4.5		-6.0		-7.0		-8.0		-11.0		-1.0	
Temp (deg C)	4-0		3.5		2.3		2.2		2.1		0.5		-1.0		0.9	
air																
sfc																
bottom																
Salinity (ppt) sfc	20.0		20.0		20.0		20.0		21.0		20.0		20.0		20.0	
bottom									21.0		19.0					
Oxygen sfc	11.0		10.6		11.2		11.0		11.2		12.4		12.0		12.1	
bottom									10.7		12.1					
pH sfc	7.8		8.0		7.9		7.9		7.9		8.2		8.0		8.0	
bottom									7.7		8.0					
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates																
Anguilla rostrata			1	17		49									1	500
Conger oceanicus			1		1	24										
Alosa aestivalis	163	514	145	459	132	371	98	281	85	236	2	7	2		2	8
Alosa pseudoharengus	3	20	6	75	2	13	4	71	2	17	1	4				
Alosa sapidissima					4	23	2	15	2	12						
Brevoortia tyrannus			1	3												
Anchoa mitchilli	1	5	1	2				2								
Opsanus tau							1	2								
Merluccius bilinearis					1	215					1	12				
Urophycis chuss	1	12														
Cyprinodon variegatus	4	5	6	10	5	6	3	6	6	9	2	6	1	2	3	3
Furculus heteroclitus			1	2			1	3	1	8						
Menidia menidia	76	329	102	432	154	645	142	571	73	281	18	60	10	31	10	43
Apeltes quadracus	4	3	6	6	7	7	6	6	4	4	1	4	3	6	1	2
Gasterosteus aculeatus	1	1			2	4			1	1	1	2				
Syngnathus fuscus	3	3	3	5	6	10	6	7	5	6			2	3		
Morone americana							1	335								
Microgogon undulatus	1	1											1	1		
Tautoga onitis	9	92	3	53	4	138	3	21	2	65	1	5	1	7		
Tautogolabrus adspersus			2	6					1	2						
Hypsoblennius hentzi													1	14		
Ammodytes sp.			2	3												
Gobiosoma boscii	2	2	2	1			5	3	3	2	4	4				
Myoxocephalus aeneus	1	27	4	18			2	35			1	8	2	42	1	16
Etropus microstomus	1	1	1	1	3	15	1	2								
Scophthalmus aquosus					1	174	1	1								
Pseudopleuronectes americanus	35	2625	76	911	83	4750	58	7000	46	5750	65	6500	31	1450	30	900

Appendix Table 1. (cont.)

Date (mo day)	Jan 12	Jan 12	Jan 12	Jan 12	Jan 15	Jan 16										
Hour	130	230	510	1832	2032	2132	2332	2132	2332	132	132					
Period	4	4	4	3	3	3	4	3	4	4	4					
Duration (hr min)	1 0	2 0	1 30	2 0	1 0	2 0	2 0	2 0	2 0	3 0	3 0					
<i>Palaemonetes vulgaris</i>	330	150	25	13	40	20	301	151	63	31	440	275	75	25	175	50
<i>Crangon septempinosus</i>	2910	2640	1325	1250	330	370	5306	3550	6425	4475	5280	4730	14075	11450	8650	7325
<i>Cancer irroratus</i>	-	-	-	-	-	-	1	76	1	40	-	-	-	-	1	37
<i>Asterias forbesi</i>	-	-	-	-	-	-	1	6	1	6	-	-	-	-	-	-
<i>Procambarus acutus</i>	1	14	-	-	-	390	5619	3794	6498	4558	5722	5011	14154	11478	8838	7426
Totals	3242	2807	1352	1269	370	390	5619	3794	6498	4558	5722	5011	14154	11478	8838	7426
Taxa	4	3	3	2	5	5	5	3	3	3	3	3	3	3	4	4
Grand Totals	3303	4441	1452	3122	441	1680	5741	9881	6547	5944	5788	9041	14207	14590	8914	9251
Total Taxa	15	13	13	10	17	10	17	10	10	10	10	10	10	12	12	12

Appendix Table 1. (cont.)

Date (mo day)	Jan 16		Jan 18		Jan 18		Jan 18		Jan 19		Jan 19		Jan 19	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Hour	432	4	2030	3	2230	4	240	4	400	4	520	4	4	520
Period	2 0	0 50	0 40	0 50	1 0	0 50	0 10	0 10	0 10	0 10	0 55	0 10	0 10	0 55
Duration (hr min)	Ebb II	Ebb II	Flood I	Flood II	Flood II	Flood II	Ebb I	Ebb I	Ebb I	Ebb I	Ebb II	Ebb I	Ebb I	Ebb II
Tide	-5.0	-8.0	-10.0	-10.0	-10.0	-12.0	-12.5	-13.0	-13.0	-12.5	-13.0	-13.0	-13.0	-13.0
Temp (deg C)	0.8	0.8	-1.5	-1.5	-0.5	-0.2	-1.2	-1.5	-1.5	-1.2	-1.5	-1.5	-1.5	-1.8
Salinity (ppt) sfc	1.7	2.5	22.0	22.0	20.0	22.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Salinity (ppt) bottom	12.0	23.0	23.0	23.0	12.6	12.4	12.8	12.6	12.6	12.8	12.6	12.6	12.6	12.4
Oxygen sfc	12.4	13.1	12.8	12.8	8.0	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8
Oxygen bottom	7.7	8.2	8.1	8.1	8.0	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8
pH	7.7	8.0	8.1	8.1	8.0	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Anguilla rostrata</i>	-	-	1	313	1	313	1	313	1	313	1	313	1	313
<i>Conger oceanicus</i>	-	-	2	141	2	141	2	141	2	141	2	141	2	141
<i>Alosa aestivalis</i>	2	4	29	71	24	61	24	61	24	61	24	61	24	61
<i>Alosa pseudoharengus</i>	-	-	1	7	1	7	1	7	1	7	1	7	1	7
<i>Alosa sapidissima</i>	3	13	2	20	1	14	1	14	1	14	1	14	1	14
<i>Anchoa mitchilli</i>	-	-	1	1	1	1	1	1	1	1	1	1	1	1
<i>Opsanus tau</i>	-	-	1	6	2	224	2	224	2	224	2	224	2	224
<i>Cyprinodon variegatus</i>	-	-	-	-	1	85	1	85	1	85	1	85	1	85
<i>Fundulus heteroclitus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Menidia menidia</i>	20	68	51	163	29	88	29	88	29	88	29	88	29	88
<i>Apeltes quadracus</i>	1	1	2	3	2	4	2	4	2	4	2	4	2	4
<i>Gasterosteus aculeatus</i>	-	-	2	4	2	4	2	4	2	4	2	4	2	4
<i>Syngnathus fuscus</i>	-	-	3	6	2	3	2	3	2	3	2	3	2	3
<i>Morone americana</i>	-	-	1	303	1	684	1	684	1	684	1	684	1	684
<i>Tautoga onitis</i>	-	-	1	1	1	1	1	1	1	1	1	1	1	1
<i>Ammodytes</i> sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Gobiosoma boscii</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Scophthalmus aquosus</i>	-	-	1	3	-	-	-	-	-	-	-	-	-	-
<i>Pseudopleuronectes americanus</i>	12	2324	198	39000	147	21030	49	4500	135	59403	4	252	7	535
Fish fragments	38	2410	249	39467	241	21313	111	5667	163	67709	17	370	11	571
Totals	5	9	11	11	9	9	9	9	8	8	5	4	4	10
Taxa	5	9	11	11	9	9	9	9	8	8	5	4	4	10
Invertebrates	-	-	1	1	1	1	1	1	1	1	1	1	1	1
Class Polychaeta	-	-	1	1	1	1	1	1	1	1	1	1	1	1
Palaeomonetes vulgaris	135	30	154	77	100	50	52	31	100	100	7	7	7	42
Crangon septemspinosa	4620	4410	2898	2845	850	700	884	806	600	400	170	160	26	308
septomspinosa	4620	4410	2898	2845	850	700	884	806	600	400	170	160	26	308

Appendix Table 1. (cont.)

Date (mo day)	Jan 16	Jan 18	Jan 18	Jan 18	Jan 19												
Hour	432	1740	2030	2230	240	400	400	520	520								
Period	4	3	3	4	4	4	4	4	4								
Duration (hr min)	2 0	0 50	0 40	1 0	0 10	0 10	0 10	0 55	0 55								
Invertebrate fragments Totals	4755	4444	3053	3	2923	951	751	936	837	700	500	170	160	41	37	350	280
Taxa	3	3	3	3	2	2	2	2	2	2	1	1	1	3	3	2	2
Grand Totals	4793	6854	3302	42390	1192	22064	1047	6504	863	68209	187	530	52	608	396	840	840
Total Taxa	8	12	14	11	11	6	7	12	10	11	12	10	7	12	12	12	12

Appendix Table 1. (cont.)

Date (mo day)	Jan 22		Jan 23		Jan 23		Jan 23		Jan 25		Jan 25					
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.				
Hour	1720	3	2130	3	220	4	430	4	1720	3	1930	3				
Period	1 35	1 10	1 35	1 10	1 10	1 10	1 40	0 25	0 25	1 0	1 0	1 0				
Duration (hr min)	Ebb I	Ebb II	Ebb II	Flood I	Flood I	Flood I	Flood II	Flood II	Flood II	Ebb I	Ebb I	Ebb I				
Tide	2.0	0.5	-1.0	-2.0	-3.0	-4.0	-4.0	1.0	1.0	1.0	1.0	1.0				
Temp (deg C)	2.8	2.5	2.1	1.8	1.5	1.2	1.2	4.6	4.6	3.8	3.8	3.8				
air	2.8	2.5	2.1	1.8	1.5	1.2	1.2	5.7	5.7	5.7	5.7	5.7				
sfc	2.8	2.5	2.1	1.8	1.5	1.2	1.2	22.0	22.0	22.0	22.0	22.0				
bottom	20.0	21.0	20.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0				
Salinity (ppt) sfc	20.0	21.0	20.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0				
bottom	20.0	21.0	20.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0				
Oxygen	11.5	11.2	11.7	11.5	11.8	11.7	11.7	10.9	10.9	10.7	10.7	10.7				
sfc	11.8	11.8	11.8	11.8	11.8	11.7	11.7	10.7	10.7	10.7	10.7	10.7				
bottom	8.0	7.7	7.9	7.9	8.0	7.9	7.9	8.0	8.0	8.2	8.2	8.2				
pH	8.0	8.0	8.0	8.0	8.0	8.0	7.8	8.0	8.0	8.0	8.0	8.0				
bottom	8.0	8.0	8.0	8.0	8.0	8.0	7.8	8.0	8.0	8.0	8.0	8.0				
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.				
Vertebrates	18	50	17	47	23	85	36	149	20	124	14	71	38	180	7	12
<i>Alosa aestivialis</i>	1	42	1	6	1	12	6	51	1	6	2	16	7	33	7	19
<i>Alosa pseudoharengus</i>	1	10	1	7	1	12	6	51	6	57	2	16	2	17	3	11
<i>Alosa sapidissima</i>	1	10	1	7	1	12	6	51	6	57	2	16	2	17	3	11
<i>Brevoortia tyrannus</i>	2	49	1	2	4	11	2	7	2	11	2	7	2	11	2	7
<i>Opsanus tau</i>	1	134	1	134	1	134	1	134	1	134	1	134	1	134	1	134
<i>Merluccius bilinearis</i>	1	134	1	134	1	134	1	134	1	134	1	134	1	134	1	134
<i>Urophycis chuss</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Cyprinodon variegatus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Fundulus diaphanus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Fundulus heteroclitus</i>	69	237	91	357	115	454	117	379	87	363	41	159	36	153	63	269
<i>Menidia menidia</i>	6	5	4	4	6	4	8	8	10	12	1	1	3	2	1	2
<i>Apeltes quadracus</i>	17	42	18	46	44	98	22	94	7	14	4	10	6	16	27	58
<i>Gasterosteus aculeatus</i>	1	1	1	2	2	10	6	7	5	10	1	2	2	4	4	4
<i>Syngnathus fuscus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Morone americana</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Lepomis gibbosus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Tautoga onitis</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Tautoglabrus adspersus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Chasmodes bosquianus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Hypsoblennius hentzi</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Amodytes</i> sp.	2	3	1	2	3	4	4	7	6	7	1	2	1	1	1	1
<i>Cobiosoma bosci</i>	9	10	9	10	7	7	14	17	5	6	9	9	1	1	3	4
<i>Myoxocephalus aeneus</i>	1	4	1	4	1	306	1	306	1	306	1	306	1	306	1	306
<i>Scophthalmus aquosus</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Pseudopleuronectes americanus</i>	57	4047	75	3664	128	26398	39	8500	47	9850	31	7500	144	52500	401	56240
Fish fragments	184	4630	224	4175	350	27982	258	9242	197	10518	111	7800	248	52980	517	56701
Totals	12	15	15	15	15	15	14	13	13	13	12	12	16	11	11	11
Taxa	12	15	15	15	15	15	14	13	13	13	12	12	16	11	11	11
Invertebrates																

Appendix Table 1. (cont.)

Date (mo day)	Jan 22	Jan 22	Jan 22	Jan 23	Jan 23	Jan 23	Jan 23	Jan 25	Jan 25					
Hour	1955	2130	30	430	430	430	1720	1720	1930					
Period	3	3	4	4	4	4	3	3	3					
Duration (hr min)	1 10	1 35	1 0	1 0	1 10	1 40	0 25	0 25	1 0					
Class Polychaeta	4	6	4	16	18	7	39	15	39	1	4	9	19	59
Palaeomonetes vulgaris	60	30	60	20	120	80	80	190	95	256	128	456	303	78
Crangon septemspinosa	2332	1869	480	440	1400	2560	1840	1425	950	1152	1216	1073	929	538
Cancer irroratus	—	—	1	102	—	—	—	—	—	—	—	—	—	1
Totals	2396	1905	545	578	1538	2647	1919	1630	1084	1409	1345	1533	1241	636
Taxa	3	4	4	3	3	3	3	3	3	3	3	3	3	4
Grand Totals	2580	6535	769	4753	1888	29527	2905	11161	1827	11602	9145	1781	54221	1153
Total Taxa	15	18	19	17	17	17	16	16	15	15	15	19	15	15

Appendix Table 1. (cont.)

	Jan 25	Jan 26	Jan 26	Jan 26	Jan 26	Jan 26	Jan 26	Jan 26	Jan 26	Jan 29	Jan 29	Jan 29	Jan 29
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.
Date (mo day)	2230	35	420	610	1750	1930	2130						
Hour	4	4	4	4	3	3	3						
Period	1 0	0 30	1 20	0 35	0 40	1 0	1 0						
Duration (hr min)	Ebb I	Ebb II	Flood I	Flood II	Flood I	Flood I	Flood II						
Tide	-1.0	-1.0	0.0	0.0	3.5	3.2	3.0						
Temp (deg C)	3.5	3.5	2.5	2.4	3.5	3.0	3.0						
air													
sfc													
bottom													
Salinity (ppt)	21.0	20.0	20.0	20.0	22.0	22.0	20.0						
sfc													
bottom													
Oxygen	11.0	11.0	10.9	11.0	14.0	13.9	14.0						
sfc													
bottom	8.1	8.0	8.1	8.0	8.1	7.9	8.0						
ph													
bottom													
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.
Vertebrates													
Conger oceanicus	1	140	1	187									641
Alosa aestivalis	2	3			1	2			1	2	2		3
Alosa pseudoharengus													
Alosa sapidissima													
Brevoortia tyrannus													
Merluccius bilinearis													
Cyprinodon variegatus													
Fundulus heteroclitus													
Fundulus majalis													
Menidia menidia	58	285	48	232	33	143	19	72	18	70	96	466	110
Apeltes quadracus	3	3	8	9	6	7	5	5	1	9	4	4	4
Gasterosteus aculeatus	18	43	21	46	25	57	23	52	10	24	50	129	74
Syngnathus fuscus	1	2	1	2	2	4	1	2	1	2			4
Morone americana													
Tautoga onitis	4	85	4	123	1	26	1	3	1	3	1	4	1
Chasmodes bosquianus	1	2											
Ammodytes sp.	1	1											
Gobiosoma boscii	1	1	3	4	1	1	1	1	1	1	1	1	
Myoxocephalus aeneus													
Myoxocephalus octodecemspinosus													
Scophthalmus aquosus													
Pseudopleuronectes americanus	248	31550	130	17537	263	46000	136	22500	111	21000	167	36107	247
Trinectes maculatus													
Fish fragments	372	32265	257	18394	364	46847	210	22776	156	21218	375	37004	430
Totals	13		13		15		10		11		11		14
Taxa													

Appendix Table 1. (cont.)

Date (mo day)	Jan 29		Jan 30		Jan 30		Feb 1		Feb 1		Feb 1		Feb 2		Feb 2	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Hour	2330	4	215	4	530	1740	1950	2240	45	230	4	4	4	4	4	4
Period	1 0	1 15	0 35	0 25	0 35	0 55	0 25	0 25	0 15	0 45	0 15	0 15	0 15	0 15	0 15	0 45
Duration (hr min)	Ebb I	Ebb I	Ebb II	Ebb I	Ebb II	Ebb I	Flood I	Flood I	Flood II	Ebb I	Flood I	Flood II	Flood II	Flood II	Ebb I	Ebb I
Tide	2.0	1.0	1.0	-4.0	1.0	-4.0	-4.5	-4.5	-4.5	-5.0	-4.5	-4.5	-4.5	-4.5	-5.0	-5.0
Temp (deg C)	3.0	2.8	2.8	2.2	2.8	1.5	0.2	0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
air	-	-	-	2.2	3.0	2.2	-	-	-	-	-	-	-	-	-	-
sfc	19.0	18.0	18.0	21.0	20.0	20.0	18.0	18.0	16.0	17.0	16.0	16.0	16.0	16.0	17.0	17.0
bottom	-	-	-	20.0	18.0	20.0	-	-	-	-	-	-	-	-	-	-
Salinity (ppt) sfc	11.9	13.3	13.1	12.6	13.1	12.8	13.4	13.4	13.1	13.6	13.1	13.1	13.1	13.1	13.6	13.6
bottom	8.0	8.0	7.9	8.0	12.6	7.8	-	-	-	-	-	-	-	-	-	-
Oxygen	8.0	8.0	7.9	7.8	7.9	7.8	-	-	-	-	-	-	-	-	-	-
pH	-	-	-	7.8	7.9	7.8	-	-	-	-	-	-	-	-	-	-
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anguilla rostrata	24	513	2	183	-	-	1	386	-	-	-	-	-	-	-	-
Alosa aestivalis	7	35	13	73	2	10	36	229	20	255	17	54	19	111	19	111
Alosa pseudoharengus	1	10	-	-	3	25	37	223	10	81	14	505	16	102	16	102
Alosa sapidissima	1	10	-	-	3	25	3	25	2	13	-	-	-	-	-	-
Brevoortia tyrannus	1	2	-	-	1	13	-	-	-	-	-	-	-	-	-	-
Opsanus tau	1	2	-	-	-	-	-	-	1	2	-	-	-	-	-	-
Merluccius bilinearis	1	275	1	336	-	-	1	221	-	-	-	-	-	-	-	-
Urophycis chuss	2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyprinodon variegatus	4	5	5	6	-	-	-	-	1	1	1	1	1	1	1	1
Fundulus diaphanus	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Fundulus heteroclitus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Menidia menidia	115	562	177	854	75	384	96	439	130	113	22	111	37	185	37	185
Apeltes quadracus	7	5	7	8	-	-	4	4	1	4	5	6	2	4	2	4
Gasterosteus aculeatus	50	118	33	76	15	37	31	72	53	9	9	24	14	34	14	34
Syngnathus fuscus	-	-	1	3	-	-	-	-	3	5	-	-	-	-	-	-
Morone americana	-	-	1	186	-	-	-	-	-	-	-	-	-	-	-	-
Tautoga onitis	1	4	1	10	-	-	-	-	3	27	1	19	1	22	1	22
Tautoglabrus adspersus	-	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-
Chasmodes bosquianus	1	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypsoblennius hentzi	-	-	-	-	-	-	1	12	-	-	-	-	-	-	-	-
Ammodytes sp.	-	-	-	-	-	-	1	13	-	-	-	-	-	-	-	-
Gobiosoma boscii	1	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-
Myoxocephalus aeneus	1	12	1	5	-	-	-	-	-	-	-	-	-	-	-	-
Myoxocephalus octodecemspinosus	1	2	3	6	-	-	-	-	5	485	-	-	-	-	-	-
Scophthalmus aquosus	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-
Pseudopleuronectes americanus	238	38537	190	27502	73	13002	113	18976	97	14627	14	2483	11	1297	44	5262

Appendix Table 1. (cont.)

Date (mo day)	Jan 29	Jan 30	Jan 30	Jan 30	Feb 1	Feb 1	Feb 1	Feb 1	Feb 2	Feb 2	Feb 2					
Hour	2330	215	530	1740	1950	2240	2240	2240	45	45	230					
Period	4	4	4	3	3	3	3	3	4	4	4					
Duration (hr min)	1 0	1 15	0 35	0 25	0 55	0 25	0 25	0 25	0 15	0 15	0 45					
Fish fragments	2	50	50	50	50	50	50	50	50	50	50					
Totals	455	40121	461	29342	177	13474	323	20214	484	17484	81	2977	85	2045	133	6101
Taxa	16	16	7	10	10	12	12	12	13	13	10	10	13	13	7	7
Invertebrates	12	45	9	24	1	1	14	44	4	11	1	4	4	4	2	3
Class Polychaeta																
Palaemonetes vulgaris	220	110	540	270	80	40	40	20	146	73	50	35	120	60	87	44
Cragon septemspinosa	2090	1430	2160	1620	360	320	1488	1273	3504	2920	300	200	960	720	435	365
Cancer irroratus	2322	1585	2710	1990	441	361	1542	1337	3654	3004	351	239	1080	780	524	412
Totals	3	3	4	3	3	3	3	3	3	3	3	3	2	2	3	3
Taxa	3	3	4	3	3	3	3	3	3	3	3	3	2	2	3	3
Grand Totals	2777	41706	3171	31332	618	13835	1865	21551	4138	20488	432	3216	1165	2825	657	6513
Total Taxa	19	20	10	13	13	15	15	15	15	15	13	13	15	15	10	10

Appendix Table 1. (cont.)

Date (mo day)	Feb 2	Feb 5	Feb 5	Feb 5	Feb 5	Feb 6	Feb 6	Feb 6	Feb 6	Feb 6
Hour	530	1830	2030	2232	45	220	430	545	4	4
Period	4	3	3	4	4	4	4	4	4	4
Duration (hr min)	1 0	0 25	0 25	0 25	0 25	0 20	0 15	0 15	0 15	0 15
Tide	Ebb II	Ebb I	Ebb I	Ebb I	Low	Flood I	Flood II	Flood II	Flood II	Flood II
Temp (deg C)	air	air	air	air	air	air	air	air	air	air
	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc
Salinity (ppt)	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc
Oxygen	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc
pH	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc	sfc
	bottom	bottom	bottom	bottom	bottom	bottom	bottom	bottom	bottom	bottom
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates										
<i>Anguilla rostrata</i>	1	84	2	3	41	26	51	11	640	112
<i>Conger oceanicus</i>										
<i>Alosa aestivalis</i>	11	99	8	17	5	24	1	3		
<i>Alosa pseudoharengus</i>	11	86	1	15	1	6				
<i>Alosa sapidissima</i>										
<i>Opsanus tau</i>									1	2
<i>Merluccius bilinearis</i>										
<i>Cyprinodon variegatus</i>	2	3								
<i>Fundulus heteroclitus</i>										
<i>Menidia menidia</i>	31	124	22	102	30	95	8	24	10	21
<i>Apeltes quadracus</i>	4	3	13	10	16	12	16	10	22	19
<i>Gasterosteus aculeatus</i>	50	120	4	10	7	15	2	4	2	4
<i>Syngnathus fuscus</i>	2	2	1	1	1	2	1	4		
<i>Morone americana</i>										
<i>Tautoga onitis</i>									9	142
<i>Anmodytes</i> sp.									1	2
<i>Gobiosoma boscii</i>									1	1
<i>Myoxocephalus aeneus</i>										
<i>Myoxocephalus octodecemspinosus</i>									1	24
<i>Scophthalmus aquosus</i>										
<i>Pseudopleuronectes americanus</i>	32	2500	89	15985	78	6000	15	1490	42	2207
Totals	143	2937	142	16152	190	6376	96	1550	730	2536
Taxa	8	12	10	13	13	9	9	11	11	5
Invertebrates										
Class Polychaeta										

Appendix Table 1. (cont.)

Date (mo day)	Feb 8		Feb 8		Feb 8		Feb 8		Feb 9		Feb 9		Feb 9		Feb 12	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Hour		1805		2149		2345		125		325		515		1931		
Period		3		3		4		4		4		4		3		
Duration (hr min)		0 55		1 11		1 30		1 45		1 40		1 35		1 0		
Tide		Flood II		Ebb I		Ebb II		Ebb II		Flood I		Flood II		Flood I		
Temp (deg C)		air		-6.0		-9.0		-10.2		-9.8		-9.0		-9.0		
		sfc		-0.2		-1.0		-1.0		-1.0		-1.0		-0.8		
		bottom		-0.2		-		-		-		1.0		0.6		
Salinity (ppt)		sfc		24.0		21.0		1.9		21.0		20.0		18.0		
		bottom		24.0		11.8		11.3		10.1		19.0		16.0		
Oxygen		sfc		11.8		11.8		11.3		10.1		10.2		12.1		
		bottom		11.8		8.1		8.1		7.6		10.1		11.9		
pH		sfc		8.1		8.1		8.1		8.1		8.2		8.1		
		bottom		8.1		-		-		-		8.0		8.1		
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates																
Anguilla rostrata	1	1	2	2	1	1	21	5	6	1	6	2	1	45		
Alosa aestivalis	2	2	2	7	5	11	2	4	2	5	2	5	1	1		
Alosa pseudoharengus			1	4	3	57	2	8	3	29	1	9				
Alosa sapidissima			1	8												
Opsanus tau																
Urophycis regius																
Fundulus sp.																
Fundulus heteroclitus		1	2													
Fundulus majalis																
Menidia menidia	6	18	13	42	23	63	15	40	19	53	18	43	2	8		
Apeltes quadracus	4	4	5	6	9	8	23	16	16	16	6	7	6	7		
Gasterosteus aculeatus	2	3		4	1	2										
Syngnathus fuscus			2	2												
Morone americana																
Tautoga onitis							2	8								
Ammodytes sp.																
Gobiosoma boscii							1	4								
Myoxocephalus aeneus	1	2	1	5												
Pseudopleuronectes americanus	70	12100	31	5750	26	7000	28	6350	24	2600	30	6100	18	2150	18	933
Fish fragments	86	12130	54	5823	63	7086	85	6549	94	2685	88	6224	58	2227	35	1130
Totals	7		8		8		9		9		8		9		10	
Taxa																
Invertebrates			1	1												
Class Bivalvia	2	3	1	1	2	1	1	1	4	6	1	1	1	1	2	
Class Polychaeta																
Palaeomonetes vulgaris	300	150	150	90	560	210	136	51	200	75	64	42	144	24	780	325
Crangon septemspinosa	3780	3240	840	675	1960	1750	2482	2040	3650	3000	1312	800	696	456	2340	1755

Appendix Table 1. (cont.)

Date (mo day)	Feb 8	Feb 9	Feb 9	Feb 9	Feb 9	Feb 12										
Hour	1805	1955	2149	2345	125	325	515	1931								
Period	3	3	3	4	4	4	4	3								
Duration (hr min)	0 55	1 5	1 11	1 30	1 45	1 40	1 35	1 0								
Asterias forbesi	4082	3393	990	765	2522	1962	2620	2092	3852	3082	1380	848	841	481	3121	2082
Totals	3	2	4	3	4	4	3	3	4	3	3	3	3	3	3	3
Grand Totals	4168	15523	1044	6588	2585	9048	2705	8641	3946	5767	1468	7072	899	2708	3156	3212
Total Taxa	10	10	12	12	12	13	13	11	11	12	11	12	12	13	13	13

Appendix Table 1. (cont.)

Date (mo day)	Feb 26	Feb 27	Feb 27	Feb 27	Mar 1	Mar 2	Mar 5				
Hour	2330	215	430	1830	2030	2330	2030	1103	427	330	1830
Period	4	4	4	3	3	4	3	3	3	4	3
Duration (hr min)	2 45	2 15	2 0	2 0	3 0	4 0	3 0	4 0	2 0	2 0	2 0
Procamburus acutus	600	512	236	188	172	121	4520	1190	841	404	1886
Totals	2	2	2	1	5	3	16	2	3	3	6
Taxa											
Grand Totals	704	7197	315	9444	246	2530	4733	1447	1070	2322	2186
Total Taxa	9	7	10	15	11	12	11	11	11	18	18

Appendix Table 1. (cont.)

Date (mo day) Hour	Mar 5		Mar 6		Mar 8		Mar 8		Mar 8		Mar 9		Mar 12		
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	
2030					1830		2030		2330		2330		230		1830
3			4		3		3		4		4		4		3
3 0			3 0		3 0		3 0		3 0		3 0		3 0		2 0
Duration (hr min)			Flood I		Ebb II		Ebb II		Flood I		Flood I		Flood I		Flood II
Tide			8.0		8.0		2.0		1.0		1.0		-1.0		3.0
Temp (deg C)			7.4		7.8		7.8		7.5		6.8		6.2		5.6
air															
sfc															
bottom															
Salinity (ppt) sfc			12.0		12.0		8.0		8.0		9.0		9.0		10.0
bottom															
Oxygen sfc			12.0		11.9		12.6		12.2		12.2		12.3		12.9
bottom															
pH sfc			7.8		7.8		8.0		8.0		8.0		8.0		8.0
bottom															
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	
Vertebrates	4		4		1		1		1		1		1		
Anguilla rostrata															
Conger oceanicus	3		8	87	9	93	4	11	7	112	10	36	5	141	
Alosa aestivialis	4		5	28	9	79	5	46	18	139	13	61	12	63	
Alosa pseudoharengus	1	167													
Esox niger															
Notemigonus crysoleucas	1	165													
Opsanus tau															
Urophycis Chuss															
Cyprinodon variegatus	6	7	2	4	3	3	2	2	2	3	1	4	2	2	
Fundulus heteroclitus	12	57	4	19	3	9	58	166	32	133	22	85	14	47	
Fundulus majalis					1	5					2	17			
Menidia sp.							1								
Menidia menidia	90	467	62	353	91	512	40	206	22	107	36	195	36	195	
Apeltes quadracus	23	24	10	10	12	12	24	23	12	13	17	17	4	3	
Gasterosteus aculeatus	109	320	58	175	50	134	156	416	119	322	80	210	62	173	
Syngnathus fuscus			1	4					1	2	1	4	2	6	
Acantharcus pomotis							1	74							
Lepomis gibbosus															
Tautoga onitis															
Hypsoblennius hentzi	2	5													
Ammodytes sp.															
Gobiosoma boscii									1	2					
Myoxocephalus aeneus	2	35			1	7									
Scophthalmus aquosus															
Pseudopleuronectes americanus	52	3750	20	2750	117	21000	3	62	7	127	8	312	13	694	
Tylinectes maculatus									1	100					
Fish fragments						12									
Totals	309	5043	174	3431	300	21867	295	1008	223	1068	191	963	153	1377	
Taxa	13		10		11		11		12		11		12		14

Appendix Table 1. (cont.)

Date (mo day)	Mar 5	Mar 5	Mar 5	Mar 6	Mar 8	Mar 8	Mar 8	Mar 8	Mar 9	Mar 9	Mar 12					
Hour	2030	2330	1830	330	1830	2030	2330	1830	230	1830	1830					
Period	3	4	3	4	3	3	4	3	4	3	3					
Duration (hr min)	3 0	2 0	2 0	3 0	2 0	3 0	3 0	3 0	3 0	3 0	2 0					
Class Polychaeta	199	684	75	245	93	319	23	89	31	130	13	31	5	10	4	5
Palaeomonetes vulgaris	140	100	360	180	320	120	325	125	521	275	220	83	140	60	130	65
Crangon septempinosus	300	200	320	240	640	400	325	250	750	750	468	440	120	100	1235	650
Cancer irroratus	3	211	1	51	2	139	3	341	2	126	7	493	11	885	1	25
Ovalipes ocellatus	-	-	-	-	-	-	1	5	-	-	2	8	-	-	-	-
Callinectes sapidus	5	5	3	29	3	3	3	5	1	13	2	70	-	-	-	6
Class Holothuroidea	4	65	4	37	5	61	2	10	-	-	-	-	-	-	1	37
Procambarus acutus	1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Totals	652	1275	763	782	1063	1042	682	825	1305	1294	712	1125	276	1055	1377	874
Taxa	7	6	6	6	6	6	7	5	5	6	4	4	4	6	6	6
Grand Totals	961	6318	937	4213	1363	22909	977	1833	1528	2362	903	2088	429	2432	1872	11433
Total Taxa	20	16	17	17	17	17	18	17	17	17	16	16	16	20	20	20

Appendix Table 1. (cont.)

Date (mo day) Hour	Mar 12		Mar 13		Mar 13		Mar 15		Mar 15		Mar 16		Mar 16		Mar 19	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Period	3	2230	4	130	4	330	3	1830	3	2130	4	330	4	330	3	1830
Duration (hr min)	2 0	Ebb I	1 0	Ebb II	1 0	Ebb II	2 0	Flood I	1 0	Flood II	1 0	Ebb I	1 0	Ebb II	1 0	Ebb II
Tide	Ebb I	Ebb II	Flood I	Flood I	Ebb I	Flood II	Ebb I	Ebb I	Ebb II	Ebb II	Ebb II	Ebb II				
Temp (deg C)	2.0	-3.0	3.0	-3.0	4.0	-4.0	-2.0	-2.0	-7.5	-5.5	-7.5	-8.2	-8.2	-8.2	5.0	5.0
air	4.4	4.1	4.1	4.1	4.0	4.0	3.5	3.5	3.3	3.5	3.3	2.5	2.5	6.7	6.7	6.7
sfc																
bottom																
Salinity (ppt)	10.0	10.5	10.5	10.5	10.0	10.0	9.5	9.5	8.0	8.0	8.0	8.0	8.0	12.0	12.0	12.0
sfc																
bottom																
Oxygen	12.9	12.9	12.9	12.9	12.6	12.6	11.8	11.8	11.6	11.4	11.6	11.5	11.5	10.9	10.9	10.9
sfc																
bottom																
pH	8.0	8.1	8.1	8.1	8.2	8.2	7.5	7.5	8.0	7.8	8.0	8.0	8.0	7.9	7.9	7.9
sfc																
bottom																
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates																
Anguilla rostrata	31	616	11	171	14	175	1	76	35	950	25	591	22	589	7	241
Alosa aestivalis	14	172	4	51	14	123	34	684	33	650	30	534	19	321	3	34
Alosa pseudoharengus																
Notemigonus crysoleucas																
Cyprinodon variegatus	1	2	2	3	1	2			1	2						
Fundulus heteroclitus	9	54	11	68	5	28	8	22	3	7	5	16			1	1
Fundulus majalis			1	13												
Menidia beryllina																
Menidia menidia	120	608	83	297	30	168	144	748	62	370	95	563	82	502	15	82
Apeltes quadracus	10	10	4	4	7	7	4	5	10	10	11	13	4	5	2	2
Gasterosteus aculeatus	123	323	52	139	21	53	134	290	64	168	49	118	56	154	11	26
Syngnathus fuscus	4	6	3	4	2	6	8	19	6	15	7	9			9	17
Morone americana	1	254	1	74												
Leptomis gibbosus									1	1						
Tautoga onitis	2	43	1	59			4	74	1	795	3	28	1	52		
Mugil curema																
Ammodytes sp.																
Myoxocephalus aeneus	1	37	1	17					1	13						
Scophthalmus aquosus			1	174												
Pseudopleuronectes americanus	197	7241	101	3942	125	1617	316	5354	309	10250	117	5900	63	3250	7	1247
Fish fragments	513	9681	276	5016	220	2204	722	8495	526	13292	344	7794	248	4874	55	1650
Totals	12		14		10		10		12		11		8		8	
Taxa																
Invertebrates	12	22	4	9	6	10	3	10	34	101	22	71	2	8	5	7
Class Polychaeta																
Palaemonetes vulgaris	110	77	120	76	130	72	525	210	60	30	184	46	108	36	60	20

Appendix Table 1. (cont.)

Date (mo day)	Mar 12	Mar 13	Mar 13	Mar 15	Mar 15	Mar 16	Mar 16	Mar 16	Mar 19							
Hour	2230	130	330	1830	2130	30	330	1830	1830							
Period	3	4	4	3	3	4	4	3	3							
Duration (hr min)	2 0	1 0	1 0	2 0	1 0	1 0	1 0	1 0	1 0							
Crangon septempinosa	1430	1210	680	600	760	683	2940	2520	510	3174	3312	1566	1422	1130	960	
Cancer irroratus	1	68	1	1	1	150	4	4	4	4	4	1	59	1	169	
Class Holothuroidea	2	36	2	17	1	14	4	106	604	521	3380	3429	1677	1525	1196	1156
Totals	1555	1413	806	702	898	929	3472	2846	604	521	3380	3429	1677	1525	1196	1156
Taxa	5	4	4	5	5	4	4	3	3	3	3	4	4	4	4	4
Grand Totals	2068	11094	1082	5718	1118	3133	4194	11341	1130	13813	3724	11223	1925	6399	1251	2806
Total Taxa	17	18	15	15	15	14	14	15	15	14	14	12	12	12	12	12

Appendix Table 1. (cont.)

Date (mo day)	Mar 19	Mar 19	Mar 19	Mar 20	Mar 20	Mar 20	Mar 22	Mar 22	Mar 22	Mar 22
Hour	1930	2130	2330	130	130	1830	2030	2030	2030	2235
Period	3	3	4	4	4	3	3	3	3	3
Duration (hr min)	2 0	2 0	2 0	2 0	2 0	2 0	2 5	2 5	2 5	2 0
Pagurus sp	--	--	--	--	--	--	--	--	--	1
Libinia dubia	--	--	--	--	--	--	--	--	--	1
Cancer irroratus	3	331	--	4	298	1	80	3	229	4
Ovalipes ocellatus	1	2	4	2	12	--	--	2	5	9
Callinectes sapidus	--	92	--	--	--	1	18	65	47	369
Class Holothuroidea	--	--	--	--	--	2	21	--	--	--
Invertebrate fragments	--	--	8	--	--	--	--	--	--	--
Phylum Nemertea	--	1	6	3	8	--	--	--	--	1
Totals	2824	2351	2273	944	1107	2360	2061	1672	1508	2002
Taxa	5	5	5	6	6	6	6	7	7	9
Grand Totals	2913	3793	2377	3017	1923	2481	3499	1777	2464	2061
Total Taxa	15	16	18	15	18	16	17	18	17	23

Appendix Table 1. (cont.)

Date (mo day)	Mar 23	Mar 26	Mar 27	Mar 27	Mar 27	Mar 29				
Hour	35	1830	2030	2230	30	330	30	330	330	1830
Period	4	3	3	3	4	4	4	4	4	3
Duration (hr min)	2 55	2 0	2 0	2 0	3 0	2 0	3 0	2 0	2 0	2 0
<i>Procambarus acutus</i>	1	83	123	202	264	315	650	773	463	1727
Totals	1704	1188	882	83	123	264	315	650	773	463
Taxa	8	6	5	4	5	7	4	4	4	3
Grand Totals	1779	3263	1236	1686	136	780	241	514	292	613
Total Taxa	21	15	13	10	14	16	10	10	10	13

Appendix Table 1. (cont.)

Date (mo day)	Mar 29 2030	Mar 29 2230	Mar 30 2230	Mar 30 330				
Hour	3	3	4	4				
Period	2 0	2 0	3 0	2 0				
Duration (hr min)	Flood II	Ebb I	Ebb I	Ebb II				
Tide	10.0	11.0	10.5	9.5				
Temp (deg C)	9.9	9.8	9.6	9.3				
air				9.6				
sfc				9.0				
bottom				16.0				
Salinity (ppt) sfc	10.0	10.0	10.0	9.5				
bottom				9.0				
Oxygen sfc	9.5	9.6	9.4	9.0				
bottom				7.7				
pH sfc	7.7	7.7	7.6	7.7				
bottom				7.7				
Species Name	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
Vertebrates								
<i>Anguilla rostrata</i>	2	200	1	1	1	1	1	38
<i>Alosa aestivalis</i>	1	3	2	14	4	62	1	7
<i>Alosa pseudoharengus</i>	1	4			4	78	2	14
Cyprinodon variegatus			1	3				
Fundulus heteroclitus	2	11	1	2	3	25	5	33
Fundulus majalis					1	12		
Menidia menidia	12	74	10	48	18	103	10	61
<i>Apeltes quadracus</i>	1	1	1	1				
Gasterosteus aculeatus	7	18	9	25	4	11	1	4
<i>Syngnathus fuscus</i>	57	151	41	91	40	117	18	39
<i>Lepomis gibbosus</i>					1	1	1	5
<i>Tautoga onitis</i>					1	4		
<i>Ammodytes</i> sp.	1	4	2	22				
<i>Scophthalmus aquosus</i>					1	289		
Pseudopleuronectes americanus					1	9	1	14
Totals	84	466	68	207	79	712	40	215
Taxa	9		9		12		9	
Invertebrates								
Class Polychaeta					1	2		
Palaeomonetes vulgaris	396	180	152	64	143	66	7	2
Crangon septempinosus	792	855	728	792	2607	2574	945	882
<i>Cancer irroratus</i>			2	109				
<i>Ovalipes ocellatus</i>	2	4	1	1	1	3	1	4
<i>Callinectes sapidus</i>	10	282	7	111	10	177	6	207
Invertebrate fragments								1
Totals	1200	1321	890	1077	2762	2822	959	1096
Taxa	4		5		5		5	
Grand Totals	1284	1787	958	1284	2841	3534	999	1311
Total Taxa	13		14		17		14	

Appendix Table 2. Actual and estimated number and weight (g) of fishes and macroinvertebrates impinged by week on the traveling screens at the Oyster Creek Generating Station from 3 September 1978 through 31 March 1979.

Species	Actual		Estimated	
	Number	Weight	Number	Weight
3-9 September				
<i>Anguilla rostrata</i>	8	862	29 ^a	3018
<i>Alosa aestivalis</i>	9	989	33	3462
<i>Alosa pseudoharengus</i>	3	251	11	879
<i>Brevoortia tyrannus</i>	6	747	21	2615
<i>Anchoa mitchilli</i>	61	176	213	615
<i>Opsanus tau</i>	42	712	146	2493
<i>Syngnathus fuscus</i>	1	3	4	11
<i>Pomatomus saltatrix</i>	3	148	11	518
<i>Caranx hippos</i>	2	2	7	7
<i>Selene vomer</i>	3	10	11	35
<i>Cynoscion regalis</i>	53	163	187	571
<i>Prionotus evolans</i>	2	45	7	158
<i>Trinectes maculatus</i>	4	16	13	57
<i>Sphaeroides maculatus</i>	9	509	31	1780
Fish fragments	-	-	-	-
<i>Aequorea</i> spp	6	160	23	559
<i>Limulus polyphemus</i>	1	924	4	3234
<i>Panaeus aztecus</i>	14	121	49	425
<i>Palaemonetes vulgaris</i>	1	1	4	4
<i>Crangon septemspinosa</i>	1	1	4	4
<i>Ovalipes ocellatus</i>	31	38	109	132
<i>Portunus gibbesi</i>	2	4	7	14
<i>Callinectes sapidus</i>	3595	234130	12581	819455
<i>Callinectes similis</i>	6	22	21	77
<i>Panopeus herbstii</i>	1	10	4	35
<i>Phylum Echinodermata</i>	2	82	7	287
<i>Phylum Nemertea</i>	1	5	4	18
Totals	3867	240131	13535	840459

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Dasyatis sayi</i>	3	1312	10	4590
<i>Anguilla rostrata</i>	1	268	4	938
<i>Alosa aestivalis</i>	13	1209	45	4231
<i>Alosa pseudoharengus</i>	1	23	4	79
<i>Brevoortia tyrannus</i>	6	809	19	2831
<i>Anchoa mitchilli</i>	257	748	901	2617
<i>Opsanus tau</i>	32	1563	113	5472
<i>Strongylura marina</i>	4	38	14	133
<i>Menidia menidia</i>	4	18	14	63
<i>Syngnathus fuscus</i>	48	115	167	401
<i>Pomatomus saltatrix</i>	6	62	22	218
<i>Caranx hippos</i>	28	33	96	115
<i>Selene vomer</i>	3	29	11	102
<i>Cynoscion regalis</i>	58	643	202	2251
<i>Mugil curema</i>	4	46	14	159
<i>Chasmodes bosquianus</i>	1	3	4	9
<i>Hypsoblennius hentzi</i>	1	9	4	31
<i>Peprilus triacanthus</i>	1	1	4	4
<i>Prionotus evolans</i>	19	576	65	2016
<i>Trinectes maculatus</i>	4	53	14	186
<i>Sphoeroides maculatus</i>	25	676	88	2365
Fish fragments	-	44	-	153
<i>Paraneus aztecus</i>	41	537	142	1878
<i>Palaeomonetes vulgaris</i>	1	1	4	4
<i>Ovalipes ocellatus</i>	42	65	146	229
<i>Callinectes sapidus</i>	4732	237420	16562	830969
<i>Callinectes similis</i>	3	19	11	65
<i>Phylum Nemertea</i>	1	11	4	39
Totals	5339	246328	18686	862147

Appendix Table 2. (cont.)

17-23 September

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Alosa aestivalis</i>	2	206	14	1442
<i>Opsanus tau</i>	1	4	7	28
<i>Pomatomus saltatrix</i>	1	2	7	14
<i>Prionotus evolans</i>	1	17	7	119
Fish fragments	-	-	-	-
<i>Penaeus aztecus</i>	1	10	7	70
<i>Ovalipes ocellatus</i>	3	3	21	21
<i>Callinectes sapidus</i>	144	6052	1008	42364
Totals	153	6294	1071	44058

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Opsanus tau</i>	3	215	21	1505
<i>Syngnathus fuscus</i>	325	649	2275	4543
<i>Centropristis striata</i>	1	8	7	56
<i>Bairdella chrysur</i>	2	6	14	42
<i>Hypsoblennius hentzi</i>	3	30	21	210
<i>Prionotus evolans</i>	8	40	56	280
Fish fragments	-	1	-	7
<i>Palaeomonetes vulgaris</i>	1	1	7	7
<i>Crangon septemspinosa</i>	3	3	21	21
<i>Ovalipes ocellatus</i>	210	1057	1470	7399
<i>Callinectes sapidus</i>	6	20	42	140
Totals	562	2030	3934	14210

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
Anguilla rostrata	3	418	24	2927
Conger oceanicus	16	552	110	3863
Alosa aestivalis	2	16	14	112
Brevoortia tyrannus	2	262	14	1834
Anchoa mitchilli	15	46	107	322
Synodus foetens	1	12	7	84
Opsanus tau	1	2	7	14
Rissola marginata	4	149	28	1043
Cyprinodon variegatus	2	2	14	14
Fundulus heteroclitus	10	65	68	453
Menidia menidia	110	489	773	3421
Apeltes quadracus	1	1	7	7
Hippocampus erectus	2	8	14	56
Syngnathus fuscus	490	885	3429	6194
Centropristis striata	4	27	28	189
Tautoga onitis	25	567	175	3966
Tautoglabrus adspersus	1	8	7	56
Gobiosoma sp.	22	13	154	91
Gobiosoma bosci	5	3	38	19
Prionotus evolvans	15	77	107	541
Etropus microstomus	127	1196	891	8371
Scophthalmus aquosus	4	638	28	4466
Pseudopleuronectes americanus	10	151	72	1054
Fish fragments	-	-	-	-
Class Polychaeta	5	7	35	49
Paraemonetes vulgaris	113	67	794	470
Crangon septemspinosa	12282	19707	85972	137948
Cancer irroratus	1	140	9	979
Ovalipes ocellatus	24	237	166	1661
Callinectes sapidus	1	1	7	7
Invertebrate fragments	1	5	-	35
Phylum Nemertea	1	12	7	84
Totals	13301	25761	93106	180330

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
3-9 December				
<i>Anguilla rostrata</i>	2	109	8	381
<i>Conger oceanicus</i>	3	94	11	329
<i>Alosa aestivalis</i>	35	93	123	326
<i>Alosa pseudoharengus</i>	1	9	4	32
<i>Brevoortia tyrannus</i>	39	3156	135	11045
<i>Anchoa mitchilli</i>	7	16	23	57
<i>Opsanus tau</i>	27	114	94	398
<i>Rissola marginata</i>	1	35	4	123
<i>Cyprinodon variegatus</i>	1	1	4	4
<i>Fundulus heteroclitus</i>	14	62	49	216
<i>Menidia beryllina</i>	2	4	7	14
<i>Menidia menidia</i>	390	1357	1364	4748
<i>Apeltes quadracus</i>	40	42	138	145
<i>Gasterosteus aculeatus</i>	1	1	4	4
<i>Syngnathus fuscus</i>	685	1343	2396	4700
<i>Centropomus striata</i>	1	5	4	18
<i>Bairdiella chrysura</i>	6	15	21	53
<i>Cynoscion regalis</i>	3	25	9	88
<i>Microgobius undulatus</i>	4	8	15	29
<i>Tautoga onitis</i>	34	629	119	2203
<i>Tautoglabrus adspersus</i>	3	13	11	46
<i>Astroscopus guttatus</i>	2	74	7	259
<i>Chasmodes bosquianus</i>	2	11	7	39
<i>Hypsoblennius hentzi</i>	5	57	18	200
<i>Gobiosoma boscii</i>	203	105	711	366
<i>Prionotus evolvans</i>	6	31	21	109
<i>Myoxocephalus aeneus</i>	2	22	7	77
<i>Etropus microstomus</i>	60	435	211	1523
<i>Scophthalmus aquosus</i>	2	83	7	291
<i>Pseudopleuronectes americanus</i>	33	3315	115	11603
<i>Trinectes maculatus</i>	11	277	37	969
Fish fragments	-	-	-	-
<i>Aequorea</i> spp	1	10	4	35
Class Polychaeta	102	157	359	548
Palaeomonetes vulgaris	895	522	3132	1826
Crangon septemspinosa	26312	27227	92094	95296
<i>Cancer irroratus</i>	48	3607	170	12625
<i>Carcinus maenas</i>	1	5	5	18
<i>Ovalipes ocellatus</i>	502	2097	1758	7339
<i>Callinectes sapidus</i>	81	674	284	2359
<i>Neopanope sayi</i>	1	3	4	11
Invertebrate fragments	-	84	-	294
Phylum Nemertea	13	186	46	651
Totals	29581	46111	103534	161390

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
10-16 December				
Anguilla rostrata	5	270	18	945
Conger oceanicus	7	191	23	670
Alosa aestivalis	3501	10009	12254	35031
Alosa pseudoharengus	10	167	35	585
Alosa sapidissima	2	24	6	84
Brevoortia tyrannus	913	90002	3195	315006
Anchoa mitchilli	476	1721	1667	6023
Opsanus tau	7	223	25	780
Merluccius bilinearis	26	241	91	843
Urophycis chuss	4	23	14	79
Cyprinodon variegatus	8	13	28	45
Fundulus heteroclitus	3	14	11	48
Fundulus majalis	1	3	4	9
Menidia beryllina	2	2	7	7
Menidia menidia	14946	60018	52311	210063
Apeltes quadracus	55	48	193	168
Gasterosteus aculeatus	7	9	24	32
Syngnathus fuscus	620	1244	2171	4353
Centropomus striata	12	2355	41	8241
Bairdiella chrysur	5	9	17	33
Cynoscion regalis	28	670	97	2344
Leiostomus xanthurus	3	85	11	299
Micropogon undulatus	14	25	48	89
Pogonias cromis	1	8	4	26
Tautoga onitis	269	4566	940	15982
Tautoglabrus adspersus	8	33	28	115
Chasmodes bosquianus	1	5	4	18
Hypsoblennius hentzi	1	2	4	7
Ammodytes sp.	1	28	5	98
Gobiosoma boscii	1396	1451	4886	5079
Peprilus triacanthus	25	834	86	2917
Pronotus evolvans	15	311	52	1089
Myoxocephalus aeneus	3	42	11	148
Etropus microstomus	346	2512	1209	8790
Paralichthys dentatus	1	3	4	9
Scophthalmus aquosus	12	2401	44	8402
Pseudopleuronectes americanus	817	46575	2861	163012
Trinectes maculatus	1	20	4	70
Fish fragments	-	39	-	137
Class Polychaeta	88	162	308	566
Palaeomonetes vulgaris	4546	3072	15911	10750
Crangon septemspinosus	93308	101406	326578	354920
Cancer irroratus	80	4149	280	14521
Carcinus maenas	1	13	4	44
Ovalipes ocellatus	76	431	267	1507
Callinectes sapidus	3	133	11	466
Invertebrate fragments	-	14	-	49
Phylum Nemertea	4	33	14	115
Totals	121659	335604	425807	1174614

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
Anguilla rostrata	14	5718	49	20012
Alosa aestivalis	2138	5948	7482	20819
Alosa pseudoharengus	3	45	11	158
Alosa sapidissima	8	142	29	497
Brevoortia tyrannus	885	81233	3096	284317
Anchoa mitchilli	39	118	135	412
Opsanus tau	19	143	67	501
Urophycis chuss	16	282	54	988
Urophycis regius	2	7	8	24
Cyprinodon variegatus	171	327	599	1146
Fundulus heteroclitus	22	64	77	223
Fundulus majalis	3	20	12	71
Menidia menidia	6256	24106	21895	84371
Apeltes quadracus	233	239	817	838
Gasterosteus aculeatus	5	7	17	23
Syngnathus fuscus	504	864	1766	3022
Morone americana	2	295	8	1032
Centropristis striata	3	345	11	1208
Micropterus undulatus	8	12	26	42
Micropterus salmoides	212	7329	740	25651
Tautoga onitis	16	93	56	325
Tautoglabrus adspersus	3	12	10	41
Chasmodes bosquianus	6	111	21	389
Ammodytes sp.	485	480	1697	1681
Gobiosoma boscii	2	2	8	8
Prionotus carolinus	8	65	27	227
Prionotus evolans	14	517	47	1808
Myoxocephalus aeneus	47	255	166	892
Stropus microstomus	13	2453	44	8584
Scophthalmus aquosus	13	2453	44	8584
Pseudopleuronectes americanus	6489	463458	22713	1622103
Fish fragments	-	10	-	36
Aequorea spp	2	154	8	539
Mytilus edulis	23	23	79	79
Class Polychaeta	251	518	880	1814
Paraemonetes vulgaris	5504	3015	19265	10552
Crangon septemspinosa	140392	149952	491373	524833
Cancer irroratus	19	937	68	3280
Ovalipes ocellatus	2	8	7	29
Invertebrate fragments	-	148	-	518
Totals	163819	749455	573367	2623091

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	13	1570	44	5494
<i>Conger oceanicus</i>	11	301	37	1055
<i>Alosa aestivalis</i>	1328	7088	4648	24808
<i>Alosa pseudoharengus</i>	213	4881	744	17082
<i>Alosa sapidissima</i>	48	479	166	1677
<i>Brevoortia tyrannus</i>	108	6820	376	23870
<i>Anchoa mitchilli</i>	61	208	214	729
<i>Opsanus tau</i>	19	188	67	660
<i>Merluccius bilinearis</i>	43	5005	149	17517
<i>Urophycis chuss</i>	49	704	170	2464
<i>Urophycis regius</i>	2	36	8	127
<i>Cyprinodon variegatus</i>	128	216	450	757
<i>Fundulus heteroclitus</i>	22	60	77	208
<i>Fundulus majalis</i>	4	23	13	80
<i>Menidia sp.</i>	3	3	9	9
<i>Menidia menidia</i>	2498	9148	8741	32017
<i>Apeltes quadracus</i>	365	329	1277	1152
<i>Gasterosteus aculeatus</i>	5	8	17	27
<i>Hippocampus erectus</i>	64	82	222	286
<i>Syngnathus fuscus</i>	358	519	1252	1815
<i>Morone americana</i>	10	2417	36	8459
<i>Microgogon undulatus</i>	4	7	13	23
<i>Tautoga onitis</i>	114	4406	400	15420
<i>Tautoglabrus adspersus</i>	8	41	28	144
<i>Chasmodes bosquianus</i>	11	51	39	178
<i>Hypsoblennius hentzi</i>	7	55	24	193
<i>Ammodytes sp.</i>	3	5	11	16
<i>Gobiosoma boscii</i>	233	226	816	789
<i>Myoxocephalus aeneus</i>	17	261	61	913
<i>Etropus microstomus</i>	18	130	64	456
<i>Scophthalmus aquosus</i>	3	9	11	33
<i>Pseudopleuronectes americanus</i>	2518	185216	8814	648256
<i>Trinectes maculatus</i>	3	134	9	469
<i>Aequorea spp</i>	3	27	10	94
<i>Mytilus edulis</i>	2	2	8	8
Class Polychaeta	175	276	614	967
Palaeomonetes vulgaris	10945	4690	38306	16414
Crangon septemspinosa	157746	132496	552112	463734
Cancer irroratus	6	224	21	784
Callinectes sapidus	12	53	42	185
Phylum Nemertea	2	5	6	18
Totals	177179	368396	620126	1289386

Appendix Table 2. (cont.)

31 December - 6 January

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	18	15447	62	54063
<i>Conger oceanicus</i>	11	386	40	1353
<i>Alosa aestivalis</i>	12777	37986	44720	132951
<i>Alosa pseudoharengus</i>	132	2488	464	8709
<i>Alosa sapidissima</i>	117	1140	410	3989
<i>Brevoortia tyrannus</i>	42	3008	147	10528
<i>Clupea harengus</i>	3	553	10	1935
<i>Anchoa mitchilli</i>	9	38	30	134
<i>Opsanus tau</i>	6	18	21	62
<i>Merluccius bilinearis</i>	16	3445	56	12058
<i>Urophycis chuss</i>	11	237	38	828
<i>Cyprinodon variegatus</i>	58	98	204	343
<i>Fundulus heteroclitus</i>	5	7	18	25
<i>Fundulus majalis</i>	2	11	8	39
<i>Lucania parva</i>	2	2	6	6
<i>Menidia menidia</i>	3561	15415	12463	53953
<i>Apeltes quadracus</i>	228	215	797	752
<i>Gasterosteus aculeatus</i>	447	2	8	8
<i>Syngnathus fuscus</i>	2	598	1564	2093
<i>Morone americana</i>	2	288	8	1008
<i>Microgogon undulatus</i>	14	14	48	48
<i>Tautoga onitis</i>	97	850	338	2974
<i>Tautoglabrus adspersus</i>	6	31	22	109
<i>Chasmodes bosquianus</i>	2	32	8	110
<i>Ammodytes sp.</i>	5	27	17	94
<i>Gobiosoma boscii</i>	20	24	69	85
<i>Myoxocephalus aeneus</i>	56	819	198	2867
<i>Myoxocephalus octodecemspinosus</i>	3	22	10	77
<i>Etropus microstomus</i>	19	49	65	171
<i>Scophthalmus aquosus</i>	20	1223	71	4282
<i>Pseudopleuronectes americanus</i>	7027	1759361	24594	6157765
Fish fragments	-	325	-	1137
Class Polychaeta	97	238	339	834
Plataemonetes vulgaris	14433	5655	50516	19791
Crangon septemspinosus	96853	84206	338985	294721
Cancer irroratus	7	491	24	1717
Callinectes sapidus	8	8	27	27
Asterias forbesi	5	36	16	126
Totals	136120	1934791	476420	6771770

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	5	1320	17	4621
<i>Conger oceanicus</i>	5	138	18	483
<i>Alosa aestivalis</i>	1973	5846	6904	20461
<i>Alosa pseudoharengus</i>	34	345	119	1207
<i>Alosa sapidissima</i>	10	62	35	217
<i>Brevoortia tyrannus</i>	1	4	4	13
<i>Anchoa mitchilli</i>	5	15	18	51
<i>Opsanus tau</i>	3	6	10	21
<i>Merluccius bilinearis</i>	3	345	11	1208
<i>Urophycis chuss</i>	4	43	12	150
<i>Cyprinodon variegatus</i>	71	113	247	397
<i>Fundulus heteroclitus</i>	4	20	15	69
<i>Menidia menidia</i>	897	3633	3139	12715
<i>Apeltes quadracus</i>	54	65	189	229
<i>Gasterosteus aculeatus</i>	9	13	30	47
<i>Syngnathus fuscus</i>	38	50	134	174
<i>Morone americana</i>	1	419	4	1466
<i>Micropogon undulatus</i>	4	4	14	14
<i>Tautoga onitis</i>	43	622	150	2178
<i>Tautoglabrus adspersus</i>	4	11	15	38
<i>Chasmodes bosquianus</i>	9	68	32	236
<i>Hypsoblennius hentzi</i>	2	27	7	94
<i>Ammodytes sp.</i>	7	20	25	71
<i>Gobiosoma boscii</i>	30	26	104	90
<i>Myoxocephalus aeneus</i>	15	312	52	1094
<i>Etropus microstomus</i>	11	42	39	147
<i>Scophthalmus aquosus</i>	2	175	8	613
<i>Pseudopleuronectes americanus</i>	915	55196	3201	193185
Fish fragments	-	21	-	75
Class Polychaeta	249	716	873	2504
<i>Palaemonetes vulgaris</i>	3921	1739	13723	6085
<i>Crangon septemspinosus</i>	38951	35283	136330	123492
<i>Cancer irroratus</i>	12	737	42	2578
<i>Procambarus acutus</i>	2	28	7	98
Totals	47293	107463	165527	376120

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
Anguilla rostrata	9	774	30	2708
Conger oceanicus	5	336	17	1175
Alosa aestivalis	289	763	1012	2671
Alosa pseudoharengus	6	41	22	145
Alosa sapidissima	16	132	57	461
Anchoa mitchilli	5	4	18	14
Opsanus tau	14	528	48	1848
Cyprinodon variegatus	8	191	27	668
Fundulus heteroclitus	10	21	33	74
Menidia menidia	528	1769	1849	6193
Apeltes quadracus	82	300	286	1050
Gasterosteus aculeatus	8	16	28	56
Syngnathus fuscus	49	86	170	300
Morone americana	13	5038	46	17635
Tautoga onitis	127	19821	446	69372
Ammodytes sp.	10	22	34	75
Gobiosoma boscii	13	9	46	33
Scophthalmus aquosus	5	50	17	174
Pseudopleuronectes americanus	1900	370371	6649	1296298
Fish fragments	-	9	-	31
Class Polychaeta	58	87	204	304
Palaeomonetes vulgaris	2813	1537	9844	5379
Crangon septemspinosa	67891	56410	237619	197436
Cancer irroratus	4	212	13	740
Asterias forbesi	3	17	10	58
Invertebrate fragments	-	6	-	20
Totals	73864	458548	258525	1604918

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Alosa aestivalis</i>	662	2669	2318	9343
<i>Alosa pseudoharengus</i>	129	979	450	3427
<i>Alosa sapidissima</i>	87	624	306	2183
<i>Brevoortia tyrannus</i>	3	40	11	140
<i>Opsanus tau</i>	14	100	51	351
<i>Merluccius bilinearis</i>	10	1446	33	5061
<i>Urophycis chuss</i>	5	79	17	275
<i>Cyprinodon variegatus</i>	40	62	139	218
<i>Fundulus diaphanus</i>	3	9	11	32
<i>Fundulus heteroclitus</i>	6	47	21	165
<i>Menidia menidia</i>	1730	6975	6056	24412
<i>Apeltes quadracus</i>	146	170	511	595
<i>Gasterosteus aculeatus</i>	564	1413	1973	4946
<i>Syngnathus fuscus</i>	55	94	193	329
<i>Morone americana</i>	10	857	35	2998
<i>Lepomis gibbosus</i>	1	1	4	4
<i>Tautoga onitis</i>	49	1530	173	5355
<i>Tautoglabrus adspersus</i>	2	3	6	11
<i>Chasmodes bosquianus</i>	6	27	20	93
<i>Hypsoblennius hentzi</i>	7	43	23	152
<i>Ammodytes sp.</i>	37	54	131	188
<i>Gobiosoma boscii</i>	131	153	459	537
<i>Myoxocephalus aeneus</i>	12	148	43	517
<i>Myoxocephalus octodecemspinosus</i>	4	119	13	416
<i>Scophthalmus aquosus</i>	9	407	32	1426
<i>Pseudopleuronectes americanus</i>	4615	794970	16153	2782394
<i>Trinectes maculatus</i>	4	90	13	313
Fish fragments	-	91	-	319
Class Polychaeta	1109	4668	3882	16338
Palaeomonetes vulgaris	5845	2952	20459	10333
Crangon septemspinosus	29716	23743	104006	83099
Cancer irroratus	4	353	16	1236
Totals	45016	844916	157556	2957207

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	8	1617	28	5661
<i>Conger oceanicus</i>	3	103	9	360
<i>Alosa aestivalis</i>	1093	6725	3825	23536
<i>Alosa pseudoharengus</i>	672	8525	2353	29836
<i>Alosa sapidissima</i>	20	155	69	543
<i>Brevoortia tyrannus</i>	9	286	33	1000
<i>Opsanus tau</i>	6	12	21	41
<i>Merluccius bilinearis</i>	27	3706	93	12969
<i>Urophycis chuss</i>	4	48	15	167
<i>Cyprinodon variegatus</i>	47	58	163	204
<i>Fundulus diaphanus</i>	3	5	9	18
<i>Fundulus heteroclitus</i>	14	12	49	42
<i>Fundulus majalis</i>	3	64	9	225
<i>Menidia menidia</i>	2902	14360	10159	50260
<i>Apettes quadracus</i>	144	160	502	559
<i>Gasterosteus aculeatus</i>	1316	3222	4605	11276
<i>Syngnathus fuscus</i>	29	45	101	156
<i>Morone americana</i>	6	1873	21	6557
<i>Tautoga onitis</i>	32	421	110	1473
<i>Tautoglabrus adspersus</i>	13	25	45	87
<i>Chaemodes bosquianus</i>	12	81	42	282
<i>Hypsoblennius hentzi</i>	3	37	11	129
<i>Ammodytes</i> sp.	13	70	45	244
<i>Gobiosoma boscii</i>	17	19	58	67
<i>Myoxocephalus aeneus</i>	13	150	45	524
<i>Myoxocephalus octodecemspinosus</i>	4	38	13	133
<i>Scophthalmus aquosus</i>	48	1519	169	5316
<i>Pseudopleuronectes americanus</i>	3772	630443	13202	2206349
Fish fragments	-	4	-	15
Class Polychaeta	254	821	888	2874
<i>Palaeomonetes vulgaris</i>	6260	3242	21910	11347
<i>Crangon septemspinosus</i>	52288	40129	183009	140451
<i>Cancer irroratus</i>	3	191	9	668
Totals	69034	718163	241619	2513569

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	4331	1367	15159	4784
<i>Conger oceanicus</i>	7	15	26	51
<i>Alosa aestivalis</i>	136	333	476	1166
<i>Alosa pseudoharengus</i>	39	271	138	947
<i>Alosa sapidissima</i>	7	88	23	307
<i>Opsanus tau</i>	16	30	56	103
<i>Merluccius bilinearis</i>	6	890	19	3114
<i>Urophycis regius</i>	1	11	4	40
<i>Cyprinodon variegatus</i>	4	4	14	14
<i>Fundulus sp.</i>	1	1	4	4
<i>Fundulus heteroclitus</i>	21	44	73	154
<i>Menidia menidia</i>	794	2851	2779	9979
<i>Apeites quadracus</i>	561	440	1965	1540
<i>Gasterosteus aculeatus</i>	118	258	411	902
<i>Syngnathus fuscus</i>	30	51	106	179
<i>Morone americana</i>	6	411	19	1440
<i>Tautoga onitis</i>	75	1522	264	5329
<i>Ammodytes sp.</i>	9	22	31	78
<i>Gobiosoma boscii</i>	43	48	151	167
<i>Myoxocephalus aeneus</i>	9	33	31	115
<i>Myoxocephalus octodecemspinosus</i>	6	132	19	462
<i>Scophthalmus aquosus</i>	6	11	20	40
<i>Pseudopleuronectes americanus</i>	2058	283854	7203	993489
Fish fragments	-	-	-	-
Class Bivalvia	2	2	6	6
Class Polychaeta	41	75	143	262
<i>Palaemonetes vulgaris</i>	5336	2380	18675	8330
<i>Crangon septemspinosus</i>	48954	39687	171337	138906
<i>Callinectes sapidus</i>	6	55	19	193
<i>Asterias forbesi</i>	28	367	97	1285
Totals	62648	335253	219270	1173384

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	21	8	74	28
<i>Alosa aestivalis</i>	9	179	33	626
<i>Alosa pseudoharengus</i>	1	6	4	21
<i>Opsanus tau</i>	14	37	47	130
<i>Fundulus heteroclitus</i>	1	1	4	4
<i>Fundulus majalis</i>	3	27	12	96
<i>Menidia menidia</i>	32	100	112	349
<i>Apeltes quadracus</i>	69	83	241	290
<i>Gasterosteus aculeatus</i>	5	13	17	45
<i>Morone americana</i>	3	333	12	1164
<i>Tautoga onitis</i>	10	120	34	421
<i>Tautoglabrus adspersus</i>	2	15	8	51
<i>Ammodytes</i> sp.	17	64	58	222
<i>Gobiosoma boscii</i>	12	13	41	45
<i>Myoxocephalus aeneus</i>	11	69	39	242
<i>Pseudopleuronectes americanus</i>	949	22136	3321	77477
Class <i>Polychaeta</i>	32	73	112	256
<i>Palaeomonetes vulgaris</i>	36987	13978	129453	48924
<i>Crangon septemspinosa</i>	80058	62340	280203	218191
<i>Cancer irroratus</i>	1	57	4	200
<i>Callinectes sapidus</i>	1	1	4	4
Class <i>Holothuroidea</i>	11	142	40	498
Invertebrate fragments	-	1	-	4
Phylum <i>Nemertea</i>	2	2	6	6
Totals	118251	99798	413880	349294

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	3	3	22	22
<i>Alosa aestivalis</i>	4	12	28	84
<i>Alosa pseudoharengus</i>	1	5	7	35
<i>Alosa sapidissima</i>	2	13	15	92
<i>Opsanus tau</i>	4	44	28	308
<i>Fundulus heteroclitus</i>	3	25	21	175
<i>Menidia menidia</i>	48	185	334	1294
<i>Apeltes quadracus</i>	6	10	44	67
<i>Gasterosteus aculeatus</i>	7	20	51	139
<i>Syngnathus fuscus</i>	2	3	15	22
<i>Microgogon undulatus</i>	1	1	7	7
<i>Chasmodes bosquianus</i>	1	8	7	56
<i>Ammodytes</i> sp.	3	9	21	63
<i>Gobiosoma boscii</i>	1	1	7	7
<i>Myoxocephalus aeneus</i>	2	34	14	238
<i>Pseudopleuronectes americana</i>	60	6168	419	43177
Fish fragments	-	3	-	21
<i>Rana pipiens</i>	1	12	8	82
Class Polychaeta	4	10	29	71
<i>Palaemonetes vulgaris</i>	947	356	6626	2490
<i>Crangon septempinnosa</i>	4765	4292	33357	30043
<i>Cancer irroratus</i>	5	442	35	3094
Totals	5871	11655	41096	81587

Appendix Table 2. (cont.)

25 February - 3 March

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Alosa aestivalis</i>	28	81	97	282
<i>Alosa pseudoharengus</i>	16	99	57	346
<i>Cyprinodon variegatus</i>	10	16	34	55
<i>Fundulus heteroclitus</i>	3	21	12	74
<i>Fundulus majalis</i>	1	5	4	18
<i>Menidia beryllina</i>	3	5	9	18
<i>Menidia menidia</i>	309	1535	1083	5373
<i>Apeltes quadracus</i>	26	33	93	115
<i>Gasterosteus aculeatus</i>	532	1425	1864	4987
<i>Syngnathus fuscus</i>	2	5	7	18
<i>Tautoga onitis</i>	6	92	22	322
<i>Tautoglabrus adspersus</i>	1	1	4	4
<i>Myoxocephalus aeneus</i>	2	28	8	97
<i>Scophthalmus aquosus</i>	1	408	5	1428
<i>Pseudopleuronectes americanus</i>	334	32618	1170	114163
Class Polychaeta	13	35	46	124
<i>Palaemonetes vulgaris</i>	2375	1163	8313	4070
<i>Crangon septemspinosa</i>	8270	7632	28947	26712
<i>Cancer irroratus</i>	2	190	8	666
<i>Callinectes sapidus</i>	2	2	7	7
<i>Procambarus acutus</i>	1	21	5	74
Totals	11940	45415	41792	158952

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
Anguilla rostrata	22	6	76	22
Conger oceanicus	1	22	4	77
Alosa aestivalis	70	708	243	2479
Alosa pseudoharengus	78	532	272	1863
Esox niger	1	167	4	585
Notemigonus crysoleucas	2	12	8	42
Opsanus tau	1	165	4	578
Urophycis chuss	1	58	5	202
Cyprinodon variegatus	24	33	83	115
Fundulus heteroclitus	176	608	615	2129
Fundulus majalis	3	24	12	83
Menidia sp.	1	1	4	4
Menidia menidia	588	3198	2059	11191
Apeltes quadracus	172	180	602	631
Gasterosteus aculeatus	846	2319	2962	8118
Syngnathus fuscus	6	20	21	70
Acantharcus pomotis	1	94	4	329
Tautoga onitis	1	11	4	40
Hypsobleinnius hentzi	1	8	5	28
Ammodytes sp.	2	5	7	18
Gobiosoma boscii	1	2	4	7
Myoxocephalus aeneus	5	76	16	266
Scophthalmus aquosus	3	5	9	18
Pseudopleuronectes americanus	332	43328	1162	151648
Trinectes maculatus	1	100	4	350
Fish fragments	-	16	-	56
Class Polychaeta	617	2200	2158	7699
Palaemonetes vulgaris	3681	1728	12884	6049
Crangon septemspinosa	4467	3588	15634	12557
Cancer irroratus	39	3124	138	10936
Ovalipes ocellatus	3	14	11	50
Callinectes sapidus	22	147	75	514
Class Holothuroidea	19	214	67	750
Procambarus acutus	2	18	8	62
Totals	11189	62732	39163	219564

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
Anguilla rostrata	1	95	4	333
Alosa aestivalis	508	10770	1778	37694
Alosa pseudoharengus	377	6146	1321	21510
Notemigonus crysoleucas	3	21	12	72
Cyprinodon variegatus	16	28	55	97
Fundulus heteroclitus	94	439	327	1536
Fundulus majalis	4	67	12	233
Menidia beryllina	4	4	13	13
Menidia menidia	1631	8933	5707	31267
Apeltes quadracus	148	161	518	565
Gasterosteus aculeatus	1192	3066	4172	10730
Syngnathus fuscus	72	140	252	491
Morone americana	4	593	13	2074
Lepomis gibbosus	4	10	12	33
Tautoga onitis	30	2222	104	7778
Mugil curema	3	26	11	92
Ammodytes sp.	3	7	12	24
Myoxocephalus aeneus	7	242	26	848
Scophthalmus aquosus	4	528	12	1848
Pseudopleuronectes americanus	2915	98804	10202	345815
Fish fragments	-	104	-	364
Class Polychaeta	212	592	741	2070
Palaeomonetes vulgaris	2876	1239	10067	4337
Crangon septemspinosa	29798	27284	104293	95493
Cancer irroratus	10	872	36	3050
Class Holothuroidea	25	413	87	1447
Procambarus acutus	2	56	5	194
Totals	39941	162860	139794	570009

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
18-24 March				
Anguilla rostrata	5	529	18	1850
Alosa aestivalis	62	1493	217	5226
Alosa pseudoharengus	77	1455	269	5091
Clupea harengus	1	191	4	669
Opsanus tau	2	4	7	14
Cyprinodon variegatus	4	6	14	21
Fundulus heteroclitus	87	318	304	1112
Menidia beryllina	3	5	9	18
Menidia menidia	134	749	468	2622
Apeltes quadracus	97	118	338	414
Gasterosteus aculeatus	169	449	591	1570
Syngnathus fuscus	286	708	1002	2479
Morone americana	2	216	7	756
Iepomis gibbosus	4	43	14	151
Tautoga onitis	9	70	32	244
Chasmodes bosquianus	1	6	4	21
Ammodytes sp.	3	12	11	42
Scophthalmus aquosus	2	536	7	1876
Pseudopleuronectes americanus	49	5255	170	18392
Trinectes maculatus	2	31	7	109
Class Polychaeta	104	314	364	1098
Palaemonetes vulgaris	2115	855	7402	2993
Crangon septemspinosa	17310	13479	60583	47175
Pagurus sp.	1	2	4	7
Libinia dubia	1	2	4	7
Cancer irroratus	25	2316	88	8105
Ovalipes ocellatus	44	213	155	745
Callinectes sapidus	980	1343	3428	4700
Class Holothuroidea	5	30	16	107
Invertebrate fragments	-	8	-	28
Phylum Nemerita	7	33	25	114
Procambarus acutus	1	11	4	39
Totals	21590	30798	75566	107793

Appendix Table 2. (cont.)

Species	Actual		Estimated	
	Number	Weight	Number	Weight
<i>Anguilla rostrata</i>	8	306	28	1071
<i>Alosa aestivalis</i>	20	414	70	1449
<i>Alosa pseudoharengus</i>	16	285	56	998
<i>Opsanus tau</i>	1	50	4	175
<i>Cyprinodon variegatus</i>	1	3	4	11
<i>Fundulus heteroclitus</i>	30	218	105	763
<i>Fundulus majalis</i>	1	12	4	42
<i>Menidia menidia</i>	126	732	441	2562
<i>Apetes quadracus</i>	10	9	35	32
<i>Gasterosteus aculeatus</i>	58	160	203	560
<i>Syngnathus fuscus</i>	319	802	1117	2807
<i>Lepomis gibbosus</i>	2	4	7	14
<i>Tautoga onitis</i>	4	26	14	91
<i>Ammodytes</i> sp.	11	78	39	273
<i>Scophthalmus aquosus</i>	1	289	4	1012
<i>Pseudopleuronectes americanus</i>	8	851	28	2979
Class Polychaeta	4	13	14	46
<i>Palaeomonetes vulgaris</i>	1240	572	4340	2002
<i>Crangon septemspinosa</i>	7875	7717	27563	27010
<i>Cancer irroratus</i>	4	307	14	1075
<i>Ovalipes ocellatus</i>	7	16	25	56
<i>Callinectes sapidus</i>	64	1151	224	4029
Invertebrate fragments	-	1	-	4
Phylum Nemeritea	6	30	21	105
Totals	9816	14046	34356	49161

a. Species number and weight are rounded to the nearest integer, but totals are the sums of actual values.

Appendix Table 3. Total number and weight (g)^a of fishes and macroinvertebrates impinged by week on the traveling screens during each time period sampled at the Oyster Creek Generating Station from 3 September 1978 through 31 March 1979.

Species	Number				Weight			
	TP 3 ^b	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	7 ^c	1	-	-	783	79	-	-
<i>Alosa aestivalis</i>	2	3	4	-	218	306	465	-
<i>Alosa pseudoharengus</i>	4	2	-	-	160	91	151	-
<i>Brevoortia tyrannus</i>	30	17	11	3	89	50	31	5
<i>Anchoa mitchilli</i>	15	8	11	8	543	29	62	79
<i>Opsanus tau</i>	-	-	1	-	-	-	3	-
<i>Syngnathus fuscus</i>	2	1	-	-	71	77	-	-
<i>Pomatomus saltatrix</i>	-	1	1	-	-	1	1	-
<i>Caranx hippos</i>	1	1	1	-	2	4	4	-
<i>Selene vomer</i>	19	16	16	3	50	54	51	8
<i>Cynoscion regalis</i>	2	-	-	-	45	-	-	-
<i>Prionotus evolans</i>	6	1	-	3	119	11	-	5
<i>Trinectes maculatus</i>	-	-	3	-	-	-	390	-
<i>Sphoeroides maculatus</i>	-	-	-	-	-	-	-	-
Fish fragments	3	2	1	-	66	71	23	-
<i>Aequorea</i> spp	-	-	1	-	-	-	924	-
<i>Limulus polyphemus</i>	7	5	2	-	66	43	12	-
<i>Penaeus aztecus</i>	-	-	1	-	-	-	1	-
<i>Palaeomonetes vulgaris</i>	-	-	1	-	-	-	1	-
<i>Crangon septempinnosa</i>	15	7	7	3	18	10	7	3
<i>Ovalipes ocellatus</i>	1	1	-	-	1	3	-	-
<i>Portunus gibbesi</i>	1143	682	1044	726	80170	50250	52866	50844
<i>Callinectes sapidus</i>	-	3	3	-	-	4	18	-
<i>Callinectes similis</i>	1	-	-	-	10	-	-	-
<i>Panopeus herbstii</i>	-	2	-	-	-	82	-	-
Phylum Echinodermata	-	1	-	-	-	5	-	-
Phylum Nemeritea	-	-	-	-	-	-	-	-
Totals	1259	754	1110	744	83008	51170	55010	50943

Appendix Table 3. (cont.)

10-16 September

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Dasyatis sayi</i>	-	-	3	-	-	-	1312	-
<i>Anguilla rostrata</i>	-	1	-	-	-	268	-	160
<i>Alosa aestivalis</i>	6	-	6	1	656	-	393	23
<i>Alosa pseudoharengus</i>	1	-	3	1	23	-	585	201
<i>Brevoortia tyrannus</i>	42	13	150	53	143	35	399	171
<i>Anchoa mitchilli</i>	14	3	9	6	992	31	463	78
<i>Opsanus tau</i>	-	-	4	-	-	-	38	-
<i>Strongylura marina</i>	-	-	4	-	-	-	18	-
<i>Menidia menidia</i>	-	-	44	4	-	-	102	13
<i>Syngnathus fuscus</i>	5	-	1	-	55	-	8	-
<i>Pomatomus saltatrix</i>	5	4	12	6	5	4	16	8
<i>Caranx hippos</i>	1	-	2	-	3	-	26	-
<i>Setene vomer</i>	1	6	41	8	21	27	532	63
<i>Cynoscion regalis</i>	-	-	4	-	-	-	46	-
<i>Mugil curema</i>	-	-	1	-	-	-	3	-
<i>Chasmodes bosquianus</i>	-	-	1	1	-	-	-	9
<i>Hypsoblennius hentzi</i>	-	-	-	1	-	-	-	1
<i>Peprilus triacanthus</i>	4	-	10	5	138	-	322	116
<i>Prionotus evolvans</i>	1	3	-	-	11	42	-	58
<i>Trinectes maculatus</i>	11	4	9	1	256	276	87	44
<i>Sphoeroides maculatus</i>	-	-	-	-	-	-	-	65
Fish fragments	10	3	21	6	112	37	322	-
<i>Paraeus aztecus</i>	-	-	-	1	-	-	-	1
<i>Palaeomonetes vulgaris</i>	25	6	8	3	35	9	16	5
<i>Ovalipes ocellatus</i>	1706	759	1850	418	74897	40050	95411	27063
<i>Callinectes sapidus</i>	-	-	2	1	-	-	6	13
<i>Callinectes similis</i>	-	-	-	1	-	-	-	11
<i>Phylum Nemerita</i>	-	-	-	-	-	-	-	-
Totals	1834	802	2184	519	77346	40779	100102	28100

Appendix Table 3. (cont.)

17-23 September

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Alosa aestivalis</i>	1	1	-	-	113	93	-	-
<i>Opsanus tau</i>	1	-	-	-	4	2	-	-
<i>Pomatomus saltatrix</i>	1	1	-	-	17	-	-	-
<i>Prionotus evolans</i>	-	-	-	-	-	-	-	-
Fish fragments	-	1	-	-	-	10	-	-
<i>Penaeus aztecus</i>	1	2	-	-	1	2	-	-
<i>Ovalipes ocellatus</i>	81	63	-	-	3547	2505	-	-
<i>Callinectes sapidus</i>	-	-	-	-	-	-	-	-
Totals	85	68	0	0	3682	2612	0	0

Appendix Table 3. (cont.)

19-25 November

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Opsanus tau</i>	2	1	-	-	64	151	-	-
<i>Syngnathus fuscus</i>	284	41	-	-	555	94	-	-
<i>Centropristis striata</i>	-	1	-	-	-	8	-	-
<i>Bairdiella chrysura</i>	2	-	-	-	6	-	-	-
<i>Hypsoblennius hentzi</i>	2	1	-	-	21	9	-	-
<i>Prionotus evolans</i>	4	4	-	-	21	19	-	-
Fish fragments	-	-	-	-	-	1	-	-
<i>Paraemonetes vulgaris</i>	1	-	-	-	1	-	-	-
<i>Crangon septempinosus</i>	2	1	-	-	2	1	-	-
<i>Ovalipes ocellatus</i>	123	87	-	-	599	458	-	-
<i>Callinectes sapidus</i>	4	2	-	-	15	5	-	-
Totals	424	138	0	0	1284	746	0	0

Appendix Table 3. (cont.)

26 November - 2 December

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	3	-	-	-	418	-	-	-
Conger oceanicus	10	5	-	-	351	201	-	-
<i>Alosa aestivalis</i>	2	-	-	-	16	-	-	-
<i>Brevoortia tyrannus</i>	2	-	-	-	262	-	-	-
<i>Anchoa mitchilli</i>	9	6	-	-	26	20	-	-
<i>Synodus foetens</i>	-	1	-	-	-	12	-	-
<i>Opsanus tau</i>	-	1	-	-	-	2	-	-
<i>Rissola marginata</i>	3	1	-	-	102	47	-	-
<i>Cyprinodon variegatus</i>	2	2	-	-	2	-	-	-
<i>Fundulus heteroclitus</i>	5	5	-	-	17	48	-	-
<i>Menidia menidia</i>	67	44	-	-	294	195	-	-
<i>Apeltes quadracus</i>	1	-	-	-	1	-	-	-
<i>Hippocampus erectus</i>	2	-	-	-	8	-	-	-
<i>Syngnathus fuscus</i>	428	62	-	-	765	120	-	-
<i>Centropristis striata</i>	2	2	-	-	13	14	-	-
<i>Tautoga onitis</i>	15	10	-	-	335	232	-	-
<i>Tautoglabrus adspersus</i>	1	-	-	-	8	-	-	-
<i>Gobiosoma</i> sp.	17	5	-	-	10	3	-	-
<i>Gobiosoma boscii</i>	5	-	-	-	3	-	-	-
<i>Prionotus evolans</i>	10	6	-	-	25	52	-	-
<i>Etropus microstomus</i>	96	32	-	-	839	357	-	-
<i>Scophthalmus aquosus</i>	3	1	-	-	458	180	-	-
<i>Pseudopleuronectes americanus</i>	5	5	-	-	78	73	-	-
Fish fragments	-	-	-	-	-	-	-	-
Class Polychaeta	5	-	-	-	7	-	-	-
<i>Paraemonetes vulgaris</i>	52	61	-	-	32	35	-	-
<i>Crangon septemspinosa</i>	4014	8268	-	-	4538	15169	-	-
<i>Cancer irroratus</i>	-	1	-	-	-	140	-	-
<i>Ovalipes ocellatus</i>	10	14	-	-	36	202	-	-
<i>Callinectes sapidus</i>	-	1	-	-	-	1	-	-
Invertebrate fragments	-	-	-	-	1	4	-	-
Phylum Nemertea	1	-	-	-	12	-	-	-
Totals	4769	8532	0	0	8656	17106	0	0

Appendix Table 3. (cont.)

3-9 December

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>				2				109
<i>Conger oceanicus</i>			1	2			27	67
<i>Alosa aestivalis</i>			18	17			46	47
<i>Alosa pseudoharengus</i>				1				9
<i>Brevoortia tyrannus</i>			23	16			1529	1627
<i>Anchoa mitchilli</i>			1	6			3	13
<i>Opsanus tau</i>			9	18			27	87
<i>Rissola marginata</i>			1				35	
<i>Cyprinodon variegatus</i>			1	9			1	37
<i>Fundulus heteroclitus</i>	1		4		11		14	
<i>Menidia beryllina</i>			2				4	
<i>Menidia menidia</i>			148	242			576	781
<i>Apeltes quadracus</i>			11	29			17	25
<i>Gasterosteus aculeatus</i>				1				1
<i>Syngnathus fuscus</i>	1		331	353	2		612	729
<i>Centropomus striata</i>				1				5
<i>Bairdiella chrysura</i>			2	4			4	11
<i>Cynoscion regalis</i>				3				25
<i>Microgogon undulatus</i>			3	1			7	1
<i>Tautoga onitis</i>			12	22			151	478
<i>Tautoglabrus adspersus</i>			2	1			11	2
<i>Astrosopus guttatus</i>			1	1			29	45
<i>Chasmodes bosquianus</i>			2				11	
<i>Hypsoblennius hentzi</i>			2	3			22	35
<i>Gobiosoma boscii</i>			146	57			75	30
<i>Prionotus evolvans</i>			2	4			9	22
<i>Myoxocephalus aeneus</i>				2				22
<i>Etropus microstomus</i>			32	28			204	231
<i>Scophthalmus aquosus</i>				2				83
<i>Pseudopleuronectes americanus</i>			5	28			363	2952
<i>Trinectes maculatus</i>			3	8			64	213
Fish fragments						10		
<i>Aequorea</i> spp			1				48	109
Class Polychaeta			19	83			294	227
<i>Palaemonetes vulgaris</i>	1		542	352	1		7542	19673
<i>Crangon septemspinosa</i>	2	9	8316	17985	3	9	356	3251
<i>Cancer irroratus</i>			5	43				5
<i>Carcinus maenas</i>				1			641	1456
<i>Ovalipes ocellatus</i>			188	314			13	661
<i>Callinectes sapidus</i>			18	63			3	
<i>Neopanope sayi</i>			1				84	
Invertebrate fragments								96
Phylum Nemeritea			4	9				90
Totals	5	10	9855	19711	17	19	12918	33157

Appendix Table 3. (cont.)

10-16 December

Species	Number				Weight			
	TP 3	TP 4						
<i>Anguilla rostrata</i>	2	1	2	-	123	21	126	-
<i>Conger oceanicus</i>	-	3	1	-	-	89	60	42
<i>Alosa aestivalis</i>	171	1048	959	1323	496	3243	2943	3326
<i>Alosa pseudoharengus</i>	1	-	2	7	5	-	48	114
<i>Alosa sapidissima</i>	-	-	-	2	-	-	-	24
<i>Brevoortia tyrannus</i>	105	204	216	388	9707	16640	24373	39282
<i>Anchoa mitchilli</i>	83	266	67	60	258	948	296	219
<i>Opsanus tau</i>	3	3	1	-	7	211	5	-
<i>Merluccius bilinearis</i>	-	18	4	4	-	175	22	44
<i>Urophycis chuss</i>	-	-	2	4	-	-	13	9
<i>Cyprinodon variegatus</i>	-	-	3	5	-	-	5	8
<i>Fundulus heteroclitus</i>	-	-	-	3	-	-	-	14
<i>Fundulus majalis</i>	-	-	1	3	-	-	-	3
<i>Menidia beryllina</i>	2	-	-	-	2	-	-	-
<i>Menidia menidia</i>	1355	3538	3726	6327	4871	13757	14976	26413
<i>Apeltes quadracus</i>	17	17	8	13	12	14	9	14
<i>Gasterosteus aculeatus</i>	3	1	2	-	6	1	2	-
<i>Syngnathus fuscus</i>	152	252	141	75	286	494	317	146
<i>Centropristis striata</i>	4	6	1	-	686	1375	294	-
<i>Bairdiella chrysura</i>	1	2	1	-	3	4	3	-
<i>Cynoscion regalis</i>	8	16	1	2	168	418	8	76
<i>Leiostomus xanthurus</i>	-	-	1	3	-	-	-	85
<i>Microgogon undulatus</i>	-	4	4	6	-	12	5	9
<i>Pogonias cromis</i>	-	-	1	-	-	-	8	-
<i>Tautoga onitis</i>	45	82	78	64	843	1429	1316	978
<i>Tautoglabrus adspersus</i>	1	1	5	1	4	5	20	4
<i>Chasmodes bosquianus</i>	1	-	-	-	5	-	-	-
<i>Hypsoblennius hentzi</i>	1	-	-	-	2	-	-	-
<i>Ammodytes</i> sp.	1	-	-	-	28	-	-	-
<i>Gobiosoma bosc</i>	69	107	433	787	52	147	440	813
<i>Peprilus triacanthus</i>	-	14	6	4	-	267	218	348
<i>Priodontus evolans</i>	4	4	5	3	111	28	159	13
<i>Myoxocephalus aeneus</i>	-	-	-	3	-	-	-	42
<i>Etropus microstomus</i>	50	123	96	76	504	877	718	412
<i>Paralichthys dentatus</i>	-	-	1	1	2	382	1705	312
<i>Scophthalmus aquosus</i>	1	2	8	-	-	-	-	-
<i>Pseudopleuronectes americanus</i>	42	126	411	239	741	4802	23553	17479
<i>Trinectes maculatus</i>	-	1	-	-	-	20	-	-
Fish fragments	-	-	-	-	-	39	-	-
Class Polychaeta	18	36	20	14	32	56	51	22
<i>Palaeomonetes vulgaris</i>	860	915	1906	865	595	733	1311	432
<i>Crangon septempinosus</i>	15772	20869	22310	34357	15070	25632	21103	39601
<i>Cancer irroratus</i>	7	37	18	17	434	1929	888	898
<i>Carcinus maenas</i>	-	-	1	-	-	-	13	-
<i>Ovalipes ocellatus</i>	39	35	3	-	210	196	25	-
<i>Callinectes sapidus</i>	2	-	1	-	102	-	31	-
Invertebrate fragments	-	-	-	-	-	14	-	-
<i>Phylum Nemerita</i>	1	-	3	-	10	-	23	-
Totals	18825	27731	30448	44655	35375	73960	95088	131181

Appendix Table 3. (cont.)

17-23 December

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	7	2	3	2	1005	2280	2041	392
<i>Alosa aestivalis</i>	1681	212	168	77	4587	644	481	236
<i>Alosa pseudoharengus</i>	3	-	-	-	45	-	-	-
<i>Alosa sapidissima</i>	3	5	-	-	21	121	-	-
<i>Brevoortia tyrannus</i>	663	166	39	17	52554	22906	3946	1827
<i>Anchoa mitchilli</i>	8	5	17	9	24	35	35	24
<i>Opsanus tau</i>	-	3	9	7	-	20	36	87
<i>Urophycis chuss</i>	8	8	-	-	176	106	-	-
<i>Urophycis regius</i>	-	-	-	2	-	-	-	7
<i>Cyprinodon variegatus</i>	61	100	6	5	145	166	10	7
<i>Fundulus heteroclitus</i>	7	15	-	-	28	36	-	-
<i>Fundulus majalis</i>	-	3	-	-	-	20	-	-
<i>Menidia menidia</i>	4818	1043	235	160	18106	4317	982	702
<i>Apeltes quadracus</i>	13	141	34	46	16	139	32	52
<i>Gasterosteus aculeatus</i>	-	3	2	-	-	3	3	-
<i>Syngnathus fuscus</i>	182	299	6	18	304	505	11	44
<i>Morone americana</i>	-	-	-	2	-	-	-	295
<i>Centropristis striata</i>	3	-	-	-	345	-	-	-
<i>Microgogon undulatus</i>	-	3	-	5	-	8	-	5
<i>Tautoga onitis</i>	103	41	41	27	3535	1620	865	1308
<i>Tautoglabrus adspersus</i>	7	7	3	2	33	51	12	9
<i>Chasmodes bosquianus</i>	6	-	-	-	111	-	-	-
<i>Ammodytes sp.</i>	63	303	83	36	63	303	68	47
<i>Gobiosoma boscii</i>	-	2	-	-	-	2	-	-
<i>Prionotus carolinus</i>	4	4	-	-	16	49	-	-
<i>Prionotus evolvans</i>	-	4	4	5	-	272	54	191
<i>Myoxocephalus aeneus</i>	14	15	8	11	33	108	47	67
<i>Ectropus microstomus</i>	7	3	-	3	1264	661	-	528
<i>Scophthalmus aquosus</i>	-	-	-	-	-	-	-	-
<i>Pseudopleuronectes americanus</i>	2871	2906	384	329	200554	141478	82797	38629
Fish fragments	-	-	-	-	-	10	-	-
<i>Aequorea spp</i>	-	-	-	2	-	-	-	154
<i>Mytilus edulis</i>	-	-	-	23	-	-	-	23
Class <i>Polychaeta</i>	97	69	7	79	227	152	12	127
<i>Palaemonetes vulgaris</i>	1008	2439	672	1386	882	1017	355	761
<i>Crangon septemspinosa</i>	47151	72121	10404	10716	46713	78055	11082	14102
<i>Cancer irroratus</i>	11	4	-	5	495	211	-	231
<i>Ovalipes ocellatus</i>	-	-	2	-	-	-	8	-
Invertebrate fragments	-	-	-	-	-	56	92	-
Totals	58799	79924	12125	12971	331282	255353	102969	59852

Appendix Table 3. (cont.)

26-30 December

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	3	2	4	4	662	75	791	41
<i>Conger oceanicus</i>	-	5	-	5	-	76	-	225
<i>Alosa aestivalis</i>	91	239	588	410	601	1956	2559	1972
<i>Alosa pseudoharengus</i>	21	24	110	57	541	353	2422	1564
<i>Alosa sapidissima</i>	-	12	-	36	-	116	-	363
<i>Brevoortia tyrannus</i>	43	32	19	14	3201	2143	836	640
<i>Anchoa mitchilli</i>	17	13	14	16	51	70	59	23
<i>Opsanus tau</i>	4	8	2	6	474	66	27	44
<i>Merluccius bilinearis</i>	3	15	9	16	308	1131	549	2851
<i>Urophycis chuss</i>	21	9	9	9	68	143	115	137
<i>Urophycis regius</i>	-	2	-	-	-	36	-	-
<i>Cyprinodon variegatus</i>	45	55	14	14	26	86	37	25
<i>Fundulus heteroclitus</i>	12	8	-	2	26	17	-	17
<i>Fundulus majalis</i>	-	2	-	2	-	18	-	5
<i>Menidia sp.</i>	3	-	-	-	3	-	-	-
<i>Menidia menidia</i>	828	678	452	540	3039	2476	1702	1930
<i>Apettes quadracus</i>	131	142	51	42	93	148	52	36
<i>Gasterosteus aculeatus</i>	1	-	2	2	3	-	3	2
<i>Hippocampus erectus</i>	-	64	-	-	-	82	-	-
<i>Syngnathus fuscus</i>	85	122	92	60	116	171	148	83
<i>Morone americana</i>	-	5	2	3	-	477	1185	755
<i>Microgogon undulatus</i>	-	-	2	4	-	-	-	7
<i>Microgogon onitis</i>	55	38	19	3	910	1896	1440	160
<i>Tautoglabrus adspersus</i>	-	6	2	6	-	35	6	-
<i>Chasmodes bosquianus</i>	5	-	2	4	19	-	16	16
<i>Hypsoblennius hentzi</i>	-	3	2	2	-	6	38	12
<i>Ammodytes sp.</i>	-	-	-	3	-	-	-	5
<i>Gobiosoma bosci</i>	42	121	8	61	35	121	8	61
<i>Myoxocephalus aeneus</i>	7	5	4	2	128	52	71	9
<i>Etropus microstomus</i>	8	5	-	5	70	37	-	24
<i>Scophthalmus aquosus</i>	-	-	3	-	-	-	9	-
<i>Pseudopleuronectes americanus</i>	714	717	625	463	78597	47792	26790	32037
<i>Trinectes maculatus</i>	3	-	-	-	134	-	-	-
<i>Aegleora spp.</i>	3	-	-	-	27	-	-	-
<i>Mytilus edulis</i>	48	33	42	53	69	63	61	84
Class Polychaeta	4831	3799	1457	858	2390	1507	538	254
Palaeomonetes vulgaris	38347	51657	32184	35558	34448	40196	29550	28302
<i>Crangon septempinosus</i>	-	2	-	4	-	79	-	144
<i>Cancer irroratus</i>	3	5	3	2	3	45	3	2
<i>Callinectes sapidus</i>	-	-	-	2	-	-	-	5
Phylum Nemertea	-	-	-	-	-	-	-	-
Totals	45372	57831	35718	38258	126087	101457	69016	71837

Appendix Table 3. (cont.)

31 December - 6 January

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	14	-	-	4	11611	-	-	3836
<i>Conger oceanicus</i>	7	-	-	5	266	-	-	120
<i>Alosa aestivalis</i>	2370	2259	2838	5310	7090	7196	8206	15495
<i>Alosa pseudoharengus</i>	44	43	25	21	1251	527	342	369
<i>Alosa sapidissima</i>	10	-	17	91	74	-	123	942
<i>Brevortia tyrannus</i>	16	14	4	7	1409	1242	39	319
<i>Clupea harengus</i>	3	-	-	-	553	-	-	-
<i>Anchoa mitchilli</i>	7	-	-	2	27	-	-	11
<i>Opsanus tau</i>	-	6	-	-	-	18	-	-
<i>Merluccius bilinearis</i>	7	-	4	6	1940	-	53	1452
<i>Urophycis chuss</i>	-	6	-	5	94	94	-	143
<i>Cyprinodon variegatus</i>	-	22	5	31	-	41	5	52
<i>Fundulus heteroclitus</i>	-	-	5	-	-	-	7	-
<i>Fundulus majalis</i>	-	-	-	2	-	-	-	11
<i>Lucania parva</i>	-	-	-	2	-	-	-	2
<i>Menidia menidia</i>	860	986	610	1105	3622	4235	2804	4754
<i>Apeltes quadracus</i>	103	56	41	28	88	52	47	28
<i>Gasterosteus aculeatus</i>	-	-	-	2	-	-	-	2
<i>Syngnathus fuscus</i>	201	127	56	63	295	143	83	77
<i>Morone americana</i>	-	-	-	2	-	-	-	288
<i>Microgogon undulatus</i>	14	-	-	-	14	-	-	-
<i>Tautoga onitis</i>	36	30	19	11	247	290	171	142
<i>Tautoglabrus adspersus</i>	-	-	2	5	-	-	20	11
<i>Chasmodes bosquianus</i>	-	-	-	2	-	-	-	32
<i>Amodytes</i> sp.	-	3	-	2	-	3	-	24
<i>Gobiosoma boscii</i>	-	13	5	2	-	17	5	2
<i>Myoxocephalus aeneus</i>	37	6	7	7	509	70	103	137
<i>Myoxocephalus octodecemspinosus</i>	-	-	-	3	-	-	-	22
<i>Stropus microstomus</i>	7	8	4	-	7	33	9	-
<i>Scophthalmus aquosus</i>	6	-	11	4	127	-	1083	13
<i>Pseudopleuronectes americanus</i>	5292	1152	289	294	2E+06	179563	19271	19197
Fish fragments	-	-	-	-	-	230	-	95
Class <i>Polychaeta</i>	19	37	16	25	68	75	44	52
<i>Palaeomonetes vulgaris</i>	5661	2890	4389	1493	1399	1329	2151	775
<i>Crangon septemspinosa</i>	23162	14593	44122	14975	18161	13305	40714	12026
<i>Cancer irroratus</i>	-	5	-	2	-	126	-	365
<i>Callinectes sapidus</i>	-	6	2	-	-	6	2	-
<i>Asterias forbesi</i>	-	5	-	-	-	36	-	-
Totals	37874	22266	52469	23511	2E+06	208629	75284	60792

Appendix Table 3. (cont.)

7-13 January

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	1	1	-	3	21	49	-	1250
<i>Conger oceanicus</i>	-	1	-	4	-	24	-	114
<i>Alosa aestivalis</i>	1562	397	3	10	4679	1119	11	38
<i>Alosa pseudoharengus</i>	19	10	2	3	189	130	6	19
<i>Alosa sapidissima</i>	-	10	-	-	-	62	-	-
<i>Brevoortia tyrannus</i>	1	-	-	-	4	-	-	-
<i>Anchoa mitchilli</i>	3	1	-	2	13	-	-	2
<i>Opsanus tau</i>	-	1	-	2	-	3	-	3
<i>Merluccius bilinearis</i>	-	1	-	2	-	215	-	130
<i>Urophycis chuss</i>	2	-	2	-	24	-	19	-
<i>Cyprinodon variegatus</i>	17	19	5	30	24	29	13	48
<i>Fundulus heteroclitus</i>	1	3	-	-	3	17	-	-
<i>Menidia menidia</i>	322	454	47	74	1364	1831	154	284
<i>Apeltes quadracus</i>	18	21	7	7	15	21	18	12
<i>Gasterosteus aculeatus</i>	3	4	2	-	5	6	3	-
<i>Syngnathus fuscus</i>	10	22	4	3	12	29	6	3
<i>Morone americana</i>	-	1	-	-	-	419	-	-
<i>Micropogon undulatus</i>	2	-	2	-	2	-	2	-
<i>Tautoga onitis</i>	27	11	3	1	324	273	21	4
<i>Tautoglabrus adspersus</i>	3	2	-	-	8	3	-	-
<i>Chaemodes bosquianus</i>	-	-	-	9	-	-	-	68
<i>Hypsoblennius hentzi</i>	3	-	2	-	-	-	27	-
<i>Ammodytes</i> sp.	10	11	6	5	4	-	-	17
<i>Gobiosoma boscii</i>	3	3	3	2	11	7	6	2
<i>Myoxocephalus aeneus</i>	7	4	5	4	82	44	93	94
<i>Etropus microstomus</i>	-	4	-	-	25	18	-	-
<i>Scophthalmus aquosus</i>	-	2	-	-	-	175	-	-
<i>Pseudopleuronectes americanus</i>	198	233	162	322	9827	23160	12989	9219
Fish fragments	-	-	-	-	-	12	-	9
Class Polychaeta	144	80	14	12	474	173	43	26
<i>Palaeomonetes vulgaris</i>	1267	758	889	1007	637	291	337	474
<i>Crangon septemspinosa</i>	10740	7501	8283	12428	11208	6291	6291	11493
<i>Cancer irroratus</i>	5	3	5	-	228	115	394	-
<i>Procambarus acutus</i>	-	-	-	2	-	-	-	28
Totals	14367	9553	9443	13930	29181	34516	20433	23334

Appendix Table 3. (cont.)

14-20 January

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	-	-	4	5	-	-	4	770
<i>Conger oceanicus</i>	-	-	-	5	-	-	-	336
<i>Alosa aestivalis</i>	83	13	123	71	233	31	321	179
<i>Alosa pseudoharengus</i>	2	5	7	2	7	24	25	17
<i>Alosa sapidissima</i>	-	2	3	2	-	1	70	31
<i>Anchoa mitchilli</i>	-	-	7	7	-	-	3	-
<i>Opsanus tau</i>	5	1	-	2	5	1	29	500
<i>Cyprinodon variegatus</i>	1	-	-	9	4	-	-	185
<i>Fundulus heteroclitus</i>	61	72	281	114	245	242	925	17
<i>Menidia menidia</i>	14	5	16	46	181	5	29	358
<i>Apeltes quadracus</i>	1	-	7	-	2	-	14	85
<i>Gasterosteus aculeatus</i>	15	4	23	7	28	4	43	-
<i>Syngnathus fuscus</i>	7	1	3	2	2329	309	909	11
<i>Morone americana</i>	2	-	4	122	19	-	4	1491
<i>Tautoga onitis</i>	2	-	-	8	4	-	-	19798
<i>Ammodytes sp.</i>	4	4	-	6	4	3	-	18
<i>Gobiosoma boscii</i>	2	-	3	-	41	-	9	3
<i>Scophthalmus aquosus</i>	134	75	1109	583	13088	7691	190605	158987
<i>Pseudopleuronectes americanus</i>	-	-	-	-	-	-	-	9
Fish fragments	28	16	7	8	31	17	7	32
Class Polychaeta	1036	439	812	526	573	117	406	441
<i>Palaeomonetes vulgaris</i>	21097	29193	11669	5933	15489	24949	10985	4988
<i>Crangon septemspinosa</i>	3	1	-	-	175	37	-	-
<i>Cancer irroratus</i>	3	-	-	-	17	-	-	-
<i>Asterias forbesi</i>	-	-	-	-	-	6	-	-
Invertebrate fragments	-	-	-	-	-	-	-	-
Totals	22497	29831	14078	7459	32474	33437	204384	188253

Appendix Table 3. (cont.)

21-27 January

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Alosa aestivalis</i>	77	165	137	283	238	784	589	1059
<i>Alosa pseudoharengus</i>	3	2	42	82	65	11	156	747
<i>Alosa sapidissima</i>	4	32	15	37	38	278	84	224
<i>Brevoortia tyrannus</i>	-	-	3	-	-	-	40	-
<i>Opsanus tau</i>	9	6	-	-	80	20	-	-
<i>Merluccius bilinearis</i>	1	2	-	8	177	-	-	1269
<i>Urophycis chuss</i>	-	2	3	-	-	30	49	-
<i>Cyprinodon variegatus</i>	10	14	6	10	10	24	12	17
<i>Fundulus diaphanus</i>	-	-	3	-	-	-	9	-
<i>Fundulus heteroclitus</i>	-	3	3	-	-	25	22	-
<i>Menidia menidia</i>	368	568	292	502	1402	2036	1246	2292
<i>Apeltes quadracus</i>	21	43	12	70	18	46	12	95
<i>Gasterosteus aculeatus</i>	101	83	96	283	241	311	216	645
<i>Syngnathus fuscus</i>	8	28	6	13	15	42	12	25
<i>Morone americana</i>	2	-	-	8	133	-	-	723
<i>Lepomis gibbosus</i>	1	-	-	-	1	-	-	-
<i>Tautoga onitis</i>	7	5	9	29	559	125	126	720
<i>Tautoglabrus adspersus</i>	2	-	-	-	3	-	-	-
<i>Chasmodes bosquianus</i>	-	-	3	3	-	-	22	5
<i>Hypsoblennius hentzi</i>	-	7	-	-	-	-	43	-
<i>Ammodytes</i> sp.	8	24	3	3	12	36	3	3
<i>Gobiosoma bosci</i>	34	66	12	19	37	77	15	25
<i>Myoxocephalus aeneus</i>	2	-	9	2	6	-	118	23
<i>Myoxocephalus octodecemspinosus</i>	-	-	-	4	-	-	-	119
<i>Scophthalmus agnosus</i>	1	-	-	8	349	-	-	59
<i>Pseudopleuronectes americanus</i>	341	256	1598	2420	41298	56462	323671	373539
<i>Tinectes maculatus</i>	-	-	-	4	-	-	-	90
Fish fragments	32	49	67	961	108	182	198	4181
Class Polychaeta	312	1071	1629	2833	163	535	1023	1231
Palaeomonetes vulgaris	5442	12065	4854	7355	4767	9303	3979	5694
<i>Cancer septemspinosus</i>	2	-	3	-	163	-	190	-
<i>Cancer irroratus</i>	-	-	-	-	-	-	-	-
Totals	6788	14486	8806	14936	49882	70369	331791	392874

Appendix Table 3. (cont.)

28 January - 3 February

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	-	5	3	-	-	459	1158	-
Conger oceanicus	3	-	-	-	103	-	-	-
<i>Alosa aestivalis</i>	106	139	583	265	587	1381	3558	1198
<i>Alosa pseudoharengus</i>	71	56	320	225	417	302	2225	5581
<i>Alosa sapidissima</i>	2	2	15	-	18	21	116	-
<i>Brevoortia tyrannus</i>	5	5	4	-	226	59	-	-
<i>Opsanus tau</i>	-	2	4	-	-	4	8	-
<i>Merluccius bilinearis</i>	9	5	3	10	1461	1415	681	148
<i>Urophycis chuss</i>	-	4	-	-	-	48	-	-
<i>Cyprinodon variegatus</i>	7	21	4	15	11	25	4	18
<i>Fundulus diaphanus</i>	-	3	-	-	-	5	-	-
<i>Fundulus heteroclitus</i>	4	-	-	10	2	-	-	10
<i>Fundulus majalis</i>	3	-	-	-	64	-	-	-
<i>Menidia menidia</i>	659	1026	784	433	3272	5067	3933	2088
<i>Apeltes quadracus</i>	17	32	27	68	17	30	31	82
<i>Gasterosteus aculeatus</i>	513	255	270	278	1279	605	646	692
<i>Syngnathus fuscus</i>	12	3	9	6	17	8	15	6
<i>Morone americana</i>	-	3	-	3	-	467	-	1406
<i>Tautoga onitis</i>	4	5	13	10	17	33	153	217
<i>Tautoglabrus adspersus</i>	-	-	3	10	-	-	15	10
<i>Chasmodes bosquianus</i>	-	2	-	10	-	31	-	49
<i>Hypsoblennius hentzi</i>	-	-	3	-	-	-	37	-
<i>Ammodytes</i> sp.	-	-	3	10	-	-	40	30
<i>Gobiosoma bosci</i>	5	12	-	-	5	15	-	-
<i>Myoxocephalus aeneus</i>	8	5	-	-	112	38	-	-
<i>Myoxocephalus octodecemspinosus</i>	-	-	4	-	-	-	38	-
<i>Scophthalmus aquosus</i>	10	23	15	-	13	51	1455	-
<i>Pseudopleuronectes americanus</i>	1423	1306	692	352	271910	208605	111762	38166
Fish fragments	-	-	-	-	-	4	-	-
Class <i>Polychaeta</i>	136	52	59	7	469	158	184	10
<i>Palaeomonetes vulgaris</i>	890	2179	751	2440	470	1089	414	1269
<i>Crangon septemspinosus</i>	12218	11414	16235	12421	8758	8503	13441	9427
<i>Cancer irroratus</i>	-	3	-	-	-	191	-	-
Totals	16103	16560	19800	16572	289227	228617	139911	60407

Appendix Table 3. (cont.)

4-10 February

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	178	4110	6	38	585	766	6	10
<i>Conger oceanicus</i>	-	7	-	-	-	15	-	-
<i>Alosa aestivalis</i>	87	27	10	13	239	45	20	29
<i>Alosa pseudoharengus</i>	26	-	4	10	132	-	18	121
<i>Alosa sapidissima</i>	5	-	2	-	73	-	15	-
<i>Opsanus tau</i>	4	12	-	-	12	18	-	-
<i>Merluccius bilinearis</i>	6	-	-	-	890	-	-	-
<i>Urophycis regius</i>	-	-	-	1	4	-	-	11
<i>Cyprinodon variegatus</i>	4	-	-	-	-	-	-	-
<i>Fundulus sp.</i>	-	-	-	1	-	-	-	1
<i>Fundulus heteroclitus</i>	13	6	2	-	29	11	4	-
<i>Menidia menidia</i>	487	128	77	101	2008	328	225	290
<i>Apeltes quadracus</i>	155	319	26	61	119	242	27	53
<i>Gasterosteus aculeatus</i>	86	22	8	1	197	45	13	2
<i>Syngnathus fuscus</i>	20	6	4	1	24	23	4	1
<i>Norone americana</i>	6	-	-	-	411	-	-	-
<i>Tautoga onitis</i>	24	50	-	2	733	781	-	9
<i>Ammodytes sp.</i>	-	6	-	3	-	11	-	11
<i>Gobiosoma boscii</i>	10	11	-	22	10	17	-	21
<i>Myoxocephalus aeneus</i>	5	-	4	-	20	-	13	-
<i>Myoxocephalus octodecemspinosus</i>	-	6	-	-	-	132	-	-
<i>Scophthalmus aquosus</i>	-	6	-	-	-	11	-	-
<i>Pseudopleuronectes americanus</i>	1210	482	252	114	186295	28982	48730	19847
Fish fragments	-	-	-	-	-	-	-	-
Class Bivalvia	-	-	2	-	-	-	2	-
Class Polychaeta	13	12	6	9	33	23	8	10
<i>Palaeomonetes vulgaris</i>	1003	1822	1898	613	722	586	854	219
<i>Crangon septemspinosa</i>	15975	10575	13086	9318	13320	7888	11257	7222
<i>Callinectes sapidus</i>	-	6	-	-	-	55	-	-
<i>Asterias forbesi</i>	9	18	-	1	70	291	-	7
Totals	19324	17630	15385	10310	205924	40269	61195	27865

Appendix Table 3. (cont.)

11-17 February

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	5	14	-	2	3	3	-	2
<i>Alosa aestivalis</i>	6	1	-	2	159	3	-	16
<i>Alosa pseudoharengus</i>	-	1	-	-	-	6	-	-
<i>Oosanus tau</i>	7	1	4	2	17	9	9	5
<i>Fundulus heteroclitus</i>	-	1	-	-	-	1	-	-
<i>Fundulus majalis</i>	3	-	-	-	27	-	-	-
<i>Menidia menidia</i>	12	12	2	6	45	29	6	20
<i>Apeltes quadracus</i>	23	30	9	7	27	32	11	13
<i>Gasterosteus aculeatus</i>	-	3	-	2	-	9	-	3
<i>Morone americana</i>	3	-	-	-	333	-	-	-
<i>Tautoga onitis</i>	3	-	6	-	45	-	76	-
<i>Tautoglabrus adspersus</i>	-	-	2	-	-	-	15	-
<i>Ammodytes</i> sp.	12	3	2	-	53	8	3	-
<i>Gobiosoma boscii</i>	-	7	4	-	-	9	4	-
<i>Myoxocephalus aeneus</i>	3	1	5	2	10	2	53	3
<i>Pseudopleuronectes americanus</i>	92	36	611	210	3790	4036	7798	6513
Class <i>Polychaeta</i>	14	10	-	8	35	22	-	17
<i>Falaemonetes vulgaris</i>	3434	7614	13323	12616	1494	2730	6045	3709
<i>Crangon septemspinosa</i>	12707	16965	35164	15222	9815	12732	29445	10349
<i>Cancer irroratus</i>	-	1	-	-	-	57	-	-
<i>Callinectes sapidus</i>	-	-	1	-	-	1	-	-
Class <i>Holothuroidea</i>	-	11	-	-	-	142	-	-
Invertebrate fragments	-	-	-	-	-	1	-	-
Phylum <i>Nemertea</i>	-	-	2	-	-	-	2	-
Totals	16325	24714	49134	28078	15852	19830	43466	20651

Appendix Table 3. (cont.)

18-24 February

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	1	2	-	-	1	2	-	-
<i>Alosa aestivalis</i>	2	2	-	-	5	7	-	-
<i>Alosa pseudoharengus</i>	1	-	-	-	5	-	-	-
<i>Alosa sapidissima</i>	1	1	-	-	5	8	-	-
<i>Opsanus tau</i>	1	3	-	-	1	43	-	-
<i>Fundulus heteroclitus</i>	1	2	-	-	12	13	-	-
<i>Menidia menidia</i>	23	25	-	-	99	86	-	-
<i>Apettes quadracus</i>	3	3	-	-	5	5	-	-
<i>Gasterosteus aculeatus</i>	4	3	-	-	11	9	-	-
<i>Syngnathus fuscus</i>	1	1	-	-	2	1	-	-
<i>Microgogon undulatus</i>	-	1	-	-	-	1	-	-
<i>Chasmodes bosquianus</i>	1	-	-	-	8	-	-	-
<i>Ammodytes sp.</i>	2	1	-	-	8	1	-	-
<i>Gobiosoma boscii</i>	-	1	-	-	-	1	-	-
<i>Myoxocephalus aeneus</i>	2	-	-	-	-	-	-	-
<i>Pseudopleuronectes americanus</i>	41	19	-	-	3722	2446	-	-
Fish fragments	-	-	-	-	-	3	-	-
<i>Rana pipiens</i>	-	1	-	-	-	12	-	-
Class Polychaeta	1	3	-	-	4	6	-	-
<i>Palaeomonetes vulgaris</i>	502	445	-	-	182	174	-	-
<i>Crangon septemspinosa</i>	3099	1666	-	-	2915	1377	-	-
<i>Cancer irroratus</i>	4	1	-	-	342	100	-	-
Totals	3690	2181	0	0	7361	4294	0	0

Appendix Table 3. (cont.)

25 February - 3 March

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Alosa aestivalis</i>	2	3	14	9	7	8	40	26
<i>Alosa pseudoharengus</i>	5	2	5	5	25	10	40	24
<i>Cyprinodon variegatus</i>	-	-	6	4	-	-	10	6
<i>Fundulus heteroclitus</i>	-	1	1	1	-	6	9	6
<i>Fundulus majalis</i>	-	1	-	-	-	5	-	-
<i>Menidia beryllina</i>	-	-	3	-	-	-	5	-
<i>Menidia menidia</i>	41	46	166	57	182	224	785	344
<i>Apeltes quadracus</i>	1	2	12	11	1	3	12	16
<i>Gasterosteus aculeatus</i>	23	108	245	156	61	278	671	415
<i>Syngnathus fuscus</i>	-	2	-	-	-	5	-	-
<i>Tautoga onitis</i>	-	1	4	2	-	11	50	31
<i>Tautoglabrus adspersus</i>	-	-	-	1	-	-	-	1
<i>Myoxocephalus aeneus</i>	1	-	1	-	18	-	10	-
<i>Scophthalmus aquosus</i>	-	-	-	-	-	-	408	-
<i>Pseudopleuronectes americanus</i>	61	91	80	102	8243	17800	1926	4649
Class Polychaeta	1	1	4	7	2	2	9	22
<i>Palaeomonetes vulgaris</i>	98	126	2103	49	39	54	1047	22
<i>Crangon septemspinosa</i>	905	880	5047	1439	828	764	4363	1677
<i>Cancer irroratus</i>	1	-	1	-	82	-	108	-
<i>Callinectes sapidus</i>	1	1	-	-	1	1	-	-
<i>Procambarus acutus</i>	-	-	1	-	-	-	21	-
Totals	1140	1265	7695	1841	9490	19171	9516	7239

Appendix Table 3. (cont.)

4-10 March

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	9	11	1	1	2	3	1	22
<i>Conger oceanicus</i>	-	-	-	1	-	-	-	221
<i>Alosa aestivalis</i>	17	24	12	17	107	254	126	144
<i>Alosa pseudoharengus</i>	5	19	24	29	44	147	197	144
<i>Esox niger</i>	1	-	-	-	167	-	-	-
<i>Notemigonus crysoleucas</i>	-	-	1	1	-	-	8	4
<i>Opsanus tau</i>	1	-	-	-	165	-	-	58
<i>Urophycis chuss</i>	-	-	-	1	-	-	-	7
<i>Cyprinodon variegatus</i>	9	7	5	4	11	10	6	147
<i>Fundulus heteroclitus</i>	20	10	106	40	77	40	344	17
<i>Fundulus majalis</i>	-	1	-	2	-	7	-	-
<i>Menidia sp.</i>	-	-	1	1	-	-	1	450
<i>Menidia menidia</i>	218	214	73	83	1168	1210	369	21
<i>Apeltes quadracus</i>	76	31	42	22	86	31	42	437
<i>Gasterosteus aculeatus</i>	214	154	317	161	592	441	850	12
<i>Syngnathus fuscus</i>	-	2	1	4	-	6	2	94
<i>Acantharcus pomotis</i>	-	-	1	-	-	-	-	-
<i>Tautoga onitis</i>	1	-	-	-	11	-	-	8
<i>Hypsoblennius hentzi</i>	-	-	-	1	-	-	-	-
<i>Ammodytes sp.</i>	2	-	-	-	5	-	-	2
<i>Gobiosoma boscii</i>	-	-	1	-	-	-	-	-
<i>Myoxocephalus aeneus</i>	3	1	-	-	67	9	-	-
<i>Scophthalmus aquosus</i>	3	-	-	-	5	-	-	-
<i>Pseudopleuronectes americanus</i>	110	186	11	25	9846	32055	206	1221
<i>Trinectes maculatus</i>	-	-	1	-	-	-	100	-
Fish fragments	301	236	60	20	1121	792	243	44
Class Polychaeta	1378	966	934	403	703	430	434	162
<i>Palaemonetes vulgaris</i>	1348	1331	1163	625	1057	892	1068	571
<i>Crangon septemspinosa</i>	-	4	6	21	652	261	559	1652
<i>Cancer irroratus</i>	-	-	1	2	-	-	6	8
<i>Ovalipes ocellatus</i>	6	8	5	2	10	47	19	70
<i>Callinectes sapidus</i>	4	13	3	-	65	137	13	-
Class Bloturoidea	2	-	-	-	18	-	-	-
<i>Procambarus acutus</i>	-	-	-	-	-	-	-	-
Totals	3737	3218	2769	1465	15980	36788	4690	5274

Appendix Table 3. (cont.)

11-17 March

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	-	-	1	-	-	-	95	-
<i>Alosa aestivalis</i>	113	68	158	169	2205	916	3384	4265
<i>Alosa pseudoharengus</i>	38	54	110	175	397	505	2188	3056
<i>Notemigonus crysoleucas</i>	-	-	3	-	-	-	-	21
<i>Cyprinodon variegatus</i>	6	7	2	-	11	13	4	-
<i>Fundulus heteroclitus</i>	22	38	16	17	114	228	42	55
<i>Fundulus majalis</i>	2	2	-	-	41	26	-	-
<i>Menidia beryllina</i>	-	-	4	-	-	-	-	4
<i>Menidia menidia</i>	422	264	307	638	2255	1145	1694	3840
<i>Apeites quadracus</i>	39	31	26	53	40	31	27	64
<i>Gasterosteus aculeatus</i>	340	173	299	381	918	452	707	989
<i>Syngnathus fuscus</i>	13	13	22	24	27	28	55	31
<i>Morone americana</i>	2	2	-	-	445	148	-	-
<i>Lepomis gibbosus</i>	2	-	2	-	8	-	2	-
<i>Tautoga onitis</i>	7	2	7	14	89	118	1722	293
<i>Mugil curema</i>	-	3	-	-	-	26	-	-
<i>Ammodytes</i> sp.	-	-	-	3	-	-	-	7
<i>Myoxocephalus aeneus</i>	3	2	2	-	182	34	27	-
<i>Scophthalmus aquosus</i>	2	2	-	-	180	348	-	-
<i>Pseudopleuronectes americanus</i>	633	612	1028	642	25272	13188	27705	32640
Fish fragments	-	-	-	-	-	56	-	48
Class <i>Polychaeta</i>	27	28	73	83	46	51	220	275
<i>Palaemonetes vulgaris</i>	388	666	779	1043	232	388	324	295
<i>Crangon septemspinosa</i>	4355	3853	4721	16870	3093	3440	3950	16802
<i>Cancer irroratus</i>	3	3	-	4	157	492	-	223
Class <i>Holothuroidea</i>	13	7	5	-	201	80	133	-
<i>Procambarus acutus</i>	2	-	-	-	56	-	-	-
Totals	6427	5831	7559	20124	35965	21712	42275	62908

Appendix Table 3. (cont.)

18-24 March

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	-	-	3	2	-	-	27	502
<i>Alosa aestivalis</i>	19	27	10	6	577	596	279	41
<i>Alosa pseudoharengus</i>	28	45	3	1	340	612	63	440
<i>Clupea harengus</i>	-	1	-	-	-	191	-	-
<i>Opsanus tau</i>	-	2	2	-	2	-	4	2
<i>Cyprinodon variegatus</i>	1	2	1	1	2	2	-	2
<i>Fundulus heteroclitus</i>	7	8	53	19	31	34	175	78
<i>Menidia beryllina</i>	-	1	-	1	-	3	-	3
<i>Menidia menidia</i>	42	62	16	14	243	356	86	64
<i>Apeltes quadracus</i>	37	16	27	17	54	14	31	20
<i>Gasterosteus aculeatus</i>	58	72	25	14	154	191	69	35
<i>Syngnathus fuscus</i>	43	64	125	54	102	165	320	121
<i>Morone americana</i>	-	-	2	-	-	-	216	-
<i>Lepomis gibbosus</i>	-	1	2	1	-	2	2	39
<i>Tautoga onitis</i>	2	4	3	-	13	31	26	-
<i>Chasmodes bosquianus</i>	-	1	-	-	-	6	-	-
<i>Ammodytes</i> sp.	1	-	1	1	1	-	7	4
<i>Scophthalmus aquosus</i>	-	-	1	1	-	-	322	214
<i>Pseudopleuronectes americanus</i>	17	21	7	3	2659	1445	694	456
<i>Trinectes maculatus</i>	1	-	1	-	29	-	2	-
Class <i>Polychaeta</i>	45	45	9	6	127	140	35	12
<i>Palaemonetes vulgaris</i>	268	281	1301	265	96	81	570	108
<i>Crangon septempinnosa</i>	5965	5850	3012	2483	4588	4539	2616	1736
<i>Pagurus</i> sp.	-	-	1	-	-	-	2	-
<i>Libinia dubia</i>	-	-	1	-	-	-	2	-
<i>Cancer irroratus</i>	4	5	8	8	500	399	702	715
<i>Ovalipes ocellatus</i>	1	3	18	22	2	16	62	133
<i>Callinectes sapidus</i>	1	1	563	414	92	23	589	639
Class <i>Holothuroidea</i>	-	-	3	2	-	26	4	-
Invertebrate fragments	-	-	-	-	-	-	8	-
Phylum <i>Nemertea</i>	1	3	1	2	6	8	3	16
<i>Procambarus acutus</i>	-	-	-	1	-	-	-	11
Totals	6541	6516	5197	3336	9616	8887	6908	5387

Appendix Table 3. (cont.)

25-31 March

Species	Number				Weight			
	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	1	2	3	2	65	1	201	39
<i>Alosa aestivalis</i>	5	5	5	5	195	113	37	69
<i>Alosa pseudoharengus</i>	3	1	6	6	48	35	110	92
<i>Opsanus tau</i>	1	-	-	-	50	-	3	-
<i>Cyprinodon variegatus</i>	-	7	1	8	64	78	18	58
<i>Fundulus heteroclitus</i>	11	7	4	1	-	-	-	12
<i>Fundulus majalis</i>	-	-	-	-	-	-	-	-
<i>Menidia menidia</i>	21	45	32	28	121	268	179	164
<i>Peltes quadracus</i>	1	1	8	-	1	1	7	-
<i>Gasterosteus aculeatus</i>	22	11	20	5	59	31	55	15
<i>Syngnathus fuscus</i>	51	10	200	58	127	31	488	156
<i>Lepomis gibbosus</i>	1	1	-	1	3	-	-	1
<i>Tautoga onitis</i>	-	1	1	2	-	11	6	9
<i>Ammodytes</i> sp.	-	-	11	-	-	-	78	-
<i>Scophthalmus aquosus</i>	-	-	-	1	-	-	-	289
<i>Pseudopleuronectes americanus</i>	3	1	2	2	419	392	17	23
Class Polychaeta	1	2	-	1	5	6	-	2
<i>Palaemonetes vulgaris</i>	143	109	838	150	71	49	384	68
<i>Crangon septemspinosa</i>	383	990	2950	3552	331	1023	2907	3456
<i>Cancer irroratus</i>	1	1	2	-	128	70	109	-
<i>Ovalipes ocellatus</i>	1	1	3	2	3	1	5	7
<i>Callinectes sapidus</i>	17	7	24	16	204	96	467	384
Invertebrate fragments	-	-	-	-	-	-	-	1
Phylum Nemertea	3	3	-	-	13	17	-	-
Totals	669	1197	4110	3840	1907	2223	5071	4845

- a. The total number and weight of organisms during the entire period were extrapolated from the portion of the period that was sampled.
- b. Time period 3 is from sunset to 6 h after sunset and time period 4 is from 6 h after sunset to sunrise.
- c. Species number and weight are rounded to the nearest integer, but totals are the sum of actual values.

Appendix Table 4. Total estimated number and weight (g) of fishes and macroinvertebrates impinged by week and time period on the traveling screens at the Oyster Creek Generating Station from 3 September 1978 through 31 March 1979.

Species	Number		Weight	
	TP 3 ^a	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	26 ^b	4	2741	277
<i>Alosa aestivalis</i>	23	11	2391	1071
<i>Alosa pseudoharengus</i>	4	7	560	319
<i>Brevoortia tyrannus</i>	21	69	2615	--
<i>Anchoa mitchilli</i>	145	56	422	193
<i>Opsanus tau</i>	90	56	2116	377
<i>Syngnathus fuscus</i>	4	--	11	--
<i>Pomatomus saltatrix</i>	7	4	249	270
<i>Caranx hippos</i>	4	4	4	4
<i>Selene vomer</i>	7	4	21	14
<i>Cynoscion regalis</i>	122	65	354	217
<i>Prionotus evolans</i>	7	--	158	--
<i>Trinectes maculatus</i>	7	13	--	57
<i>Sphoeroides maculatus</i>	31	--	1780	--
Fish fragments	--	--	--	--
<i>Aequorea</i> spp	16	7	310	249
<i>Limulus polyphemus</i>	4	--	3234	--
<i>Penaeus aztecus</i>	31	18	275	151
<i>Palaemonetes vulgaris</i>	4	--	4	--
<i>Crangon septemspinosa</i>	4	--	4	--
<i>Ovalipes ocellatus</i>	76	34	88	44
<i>Portunus gibbesi</i>	4	4	4	11
<i>Callinectes sapidus</i>	7654	4927	465626	353826
<i>Callinectes similis</i>	11	11	63	14
<i>Panopeus herbstii</i>	4	--	35	--
Phylum Echinodermata	--	7	--	287
Phylum Nemerita	--	4	--	18
Totals	8291	5243	483062	357394

Appendix Table 4. (cont.)

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Dasyatis sayi</i>	10	-	4590	-
<i>Anguilla rostrata</i>	-	4	-	938
<i>Alosa aestivalis</i>	40	4	3671	560
<i>Alosa pseudoharengus</i>	-	4	-	79
<i>Brevoortia tyrannus</i>	15	4	2126	704
<i>Anchoa mitchilli</i>	672	229	1895	722
<i>Opsanus tau</i>	81	32	5092	380
<i>Strongylura marina</i>	14	-	133	-
<i>Menidia menidia</i>	14	-	63	-
<i>Syngnathus fuscus</i>	154	13	357	44
<i>Pomatomus saltatrix</i>	22	-	218	-
<i>Caranx hippos</i>	60	36	74	40
<i>Selene vomer</i>	11	-	102	-
<i>Cynoscion regalis</i>	155	47	1937	313
<i>Mugil curema</i>	14	-	159	-
<i>Chasmodes bosquianus</i>	4	-	9	-
<i>Hypsoblennius hentzi</i>	-	4	-	31
<i>Peprilus triacanthus</i>	-	4	-	4
<i>Prionotus evolvans</i>	47	18	1609	407
<i>Trinectes maculatus</i>	4	11	39	147
<i>Sphoeroides maculatus</i>	70	18	1198	1167
Fish fragments	-	-	-	153
<i>Penaeus aztecus</i>	109	32	1521	357
<i>Palaeomonetes vulgaris</i>	-	4	-	4
<i>Ovalipes ocellatus</i>	116	30	180	49
<i>Callinectes sapidus</i>	12444	4118	596075	234894
<i>Callinectes similis</i>	7	4	21	44
Phylum Nemertea	-	4	-	39
Totals	14063	4623	621069	241077

Appendix Table 4. (cont.)

17-23 September

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Alosa aestivalis</i>	7	7	791	651
<i>Opsanus tau</i>	7	-	28	-
<i>Pomatomus saltatrix</i>	-	7	-	14
<i>Prionotus evolans</i>	7	-	119	-
Fish fragments	-	-	-	-
<i>Penaeus aztecus</i>	-	7	-	70
<i>Ovalipes ocellatus</i>	7	14	7	14
<i>Callinectes sapidus</i>	567	441	24829	17535
Totals	595	476	25774	18284

Appendix Table 4. (cont.)

19-25 November

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Opsanus tau</i>	14	7	448	1057
<i>Syngnathus fuscus</i>	1988	287	3885	658
<i>Centropristis striata</i>	14	7	42	56
<i>Bairdiella chrysura</i>	14	7	147	63
<i>Hypsoblennius hentzi</i>	28	28	147	133
<i>Prionotus evolans</i>	-	-	-	7
Fish fragments	7	-	7	-
<i>Palaemonetes vulgaris</i>	14	7	14	7
<i>Crangon septemspinosa</i>	861	609	4193	3206
<i>Ovalipes ocellatus</i>	28	14	105	35
<i>Callinectes sapidus</i>	-	-	-	-
Totals	2968	966	8988	5222

Appendix Table 4. (cont.)

26 November - 2 December

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	24	-	2927	-
Conger oceanicus	73	37	2459	1404
<i>Alosa aestivalis</i>	14	-	112	-
<i>Brevoortia tyrannus</i>	14	-	1834	-
<i>Anchoa mitchilli</i>	63	44	182	140
<i>Synodus foetens</i>	-	7	-	84
<i>Opsanus tau</i>	-	7	-	14
<i>Rissola marginata</i>	21	7	714	329
<i>Cyprinodon variegatus</i>	14	-	14	-
<i>Fundulus heteroclitus</i>	33	35	117	336
<i>Menidia menidia</i>	466	307	2056	1365
<i>Apettes quadracus</i>	7	-	7	-
<i>Hippocampus erectus</i>	14	-	56	-
<i>Syngnathus fuscus</i>	2993	436	5353	841
<i>Centropristis striata</i>	14	14	91	98
<i>Tautoga onitis</i>	103	72	2344	1623
<i>Tautoglabrus adspersus</i>	7	-	56	-
<i>Cobiosoma sp.</i>	119	35	70	21
<i>Cobiosoma bosci</i>	38	-	19	-
<i>Prionotus evolans</i>	68	39	176	365
<i>Etropus microstomus</i>	670	221	5874	2498
<i>Scophthalmus aquosus</i>	21	7	3206	1260
<i>Pseudopleuronectes americanus</i>	35	37	546	508
Fish fragments	-	-	-	-
Class Polychaeta	35	-	49	-
<i>Paraemonetes vulgaris</i>	363	430	223	247
<i>Crangon septemspinosa</i>	28099	57873	31765	106182
<i>Cancer irroratus</i>	-	9	-	979
<i>Ovalipes ocellatus</i>	68	98	250	1411
<i>Callinectes sapidus</i>	-	7	-	7
Invertebrate fragments	-	-	7	28
Phylum Nemertea	7	-	84	-
Totals	33382	59724	60591	119739

Appendix Table 4. (cont.)

3-9 December

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	-	8	-	381
<i>Conger oceanicus</i>	4	7	95	235
<i>Alosa aestivallis</i>	63	60	161	165
<i>Alosa pseudoharengus</i>	-	4	-	32
<i>Brevoortia tyrannus</i>	81	55	5352	5693
<i>Anchoa mitchilli</i>	4	20	11	46
<i>Opsanus tau</i>	32	63	95	303
<i>Rissola marginata</i>	4	-	123	-
<i>Cyprinodon variegatus</i>	4	-	4	-
<i>Fundulus heteroclitus</i>	18	31	88	128
<i>Menidia beryllina</i>	7	-	14	-
<i>Menidia menidia</i>	518	846	2016	2732
<i>Apeltes quadracus</i>	39	100	60	86
<i>Gasterosteus aculeatus</i>	-	4	-	4
<i>Syngnathus fuscus</i>	1162	1234	2149	2551
<i>Centropristis striata</i>	-	4	-	18
<i>Bairdiella chrysura</i>	7	14	14	39
<i>Cynoscion regalis</i>	-	9	-	88
<i>Cynoscion undulatus</i>	11	5	25	5
<i>Tautoga onitis</i>	42	77	529	1674
<i>Tautoglabrus adspersus</i>	7	4	39	7
<i>Astrocopus guttatus</i>	4	4	102	158
<i>Chasmodes bosquianus</i>	7	-	39	-
<i>Hypsoblennius hentzi</i>	7	11	77	123
<i>Gobiosoma boscii</i>	511	200	263	103
<i>Prionotus evolans</i>	7	14	32	77
<i>Myoxocephalus aeneus</i>	-	7	-	77
<i>Etropus microstomus</i>	112	99	714	809
<i>Scophthalmus aquosus</i>	-	7	-	291
<i>Pseudopleuronectes americanus</i>	18	97	1271	10332
<i>Trinectes maculatus</i>	11	27	224	745
Fish fragments	-	-	-	-
Aequorea spp	-	4	-	35
Class Polychaeta	67	292	168	380
Palaeomonetes vulgaris	1901	1232	1033	793
Crangon septemspinosa	29113	62980	26408	68888
Cancer irroratus	18	152	1246	11379
Carcinus maenas	-	5	-	18
Ovalipes ocellatus	658	1100	2244	5095
Callinectes sapidus	63	221	46	2313
Neopanope sayi	4	-	11	-
Invertebrate fragments	-	-	294	-
Phylum Nemeritea	14	32	336	315
Totals	34510	69024	45273	116117

Appendix Table 4. (cont.)
10-16 December

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	15	4	872	74
<i>Conger oceanicus</i>	4	19	210	460
<i>Alosa aestivalis</i>	3954	8300	12036	22995
<i>Alosa pseudoharengus</i>	11	23	186	399
<i>Alosa sapidissima</i>	-	6	-	84
<i>Brevoortia tyrannus</i>	1123	2072	119277	195728
<i>Anchoa mitchilli</i>	525	1142	1938	4085
<i>Opsanus tau</i>	15	10	43	737
<i>Merluccius bilinearis</i>	12	79	78	765
<i>Urophycis chuss</i>	8	6	46	32
<i>Cyprinodon variegatus</i>	11	17	16	29
<i>Fundulus heteroclitus</i>	-	11	-	48
<i>Fundulus majalis</i>	4	-	9	-
<i>Menidia beryllina</i>	7	-	7	-
<i>Menidia menidia</i>	17784	34527	69467	140596
<i>Apeltes quadracus</i>	90	104	73	95
<i>Gasterosteus aculeatus</i>	20	4	29	4
<i>Syngnathus fuscus</i>	1026	1145	2112	2241
<i>Centropistis striata</i>	20	21	3429	4813
<i>Bairdiella chrysura</i>	10	7	19	14
<i>Cynoscion regalis</i>	34	63	614	1730
<i>Leiostomus xanthurus</i>	-	11	-	299
<i>Microgogon undulatus</i>	12	36	17	72
<i>Pogonias cromis</i>	4	-	26	-
<i>Tautoga onitis</i>	429	512	7556	8426
<i>Tautoglabrus adspersus</i>	20	8	85	30
<i>Chasmodes bosquianus</i>	4	-	18	-
<i>Hypsoblennius hentzi</i>	4	-	7	-
<i>Ammodytes</i> sp.	5	-	98	-
<i>Gobiosoma boscii</i>	1755	3131	1719	3360
<i>Peprilus triacanthus</i>	21	65	764	2153
<i>Priodontus evolvans</i>	30	23	943	145
<i>Myoxocephalus aeneus</i>	-	11	-	148
<i>Etropus microstomus</i>	511	698	4276	4514
<i>Paralichthys dentatus</i>	4	-	9	-
<i>Scophthalmus aquosus</i>	32	11	5975	2427
<i>Pseudopleuronectes americanus</i>	1583	1278	85028	77983
<i>Trinectes maculatus</i>	-	4	-	70
Fish fragments	-	-	-	137
Class Polychaeta	134	174	292	274
<i>Palaeomonetes vulgaris</i>	9682	6229	6671	4079
<i>Crangon septemspinosa</i>	133288	193290	126604	228315
<i>Cancer irroratus</i>	89	191	4625	9895
<i>Carcinus maenas</i>	4	-	44	-
<i>Callinectes ocellatus</i>	144	123	821	686
<i>Callinectes sapidus</i>	11	-	466	-
Invertebrate fragments	-	-	-	49
<i>Phylum Nemerita</i>	14	-	115	-
Totals	172455	253352	456620	717993

Appendix Table 4. (cont.)
17-23 December

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	35	13	10661	9351
<i>Alosa aestivalis</i>	6472	1010	17739	3080
<i>Alosa pseudoharengus</i>	11	18	158	423
<i>Alosa sapidissima</i>	11	640	197751	86566
<i>Brevoortia tyrannus</i>	2456	49	205	207
<i>Anchoa mitchilli</i>	86	36	125	376
<i>Opsanus tau</i>	31	26	616	372
<i>Urophycis chuss</i>	28	8	24	24
<i>Urophycis regius</i>	234	365	542	603
<i>Cyprinodon variegatus</i>	25	53	98	125
<i>Fundulus heteroclitus</i>	17684	4210	66807	17564
<i>Menidia menidia</i>	163	654	168	670
<i>Apeltes quadracus</i>	5	12	11	12
<i>Gasterosteus aculeatus</i>	659	1107	1101	1922
<i>Syngnathus fuscus</i>	11	8	1208	1032
<i>Morone americana</i>	11	26	15401	42
<i>Centropristis striata</i>	504	236	116	210
<i>Microgogon undulatus</i>	25	32	41	210
<i>Tautoga onitis</i>	10	1187	389	1222
<i>Tautoglabrus adspersus</i>	21	8	459	8
<i>Chasmodes bosquianus</i>	510	13	56	171
<i>Gobiosoma boscii</i>	14	32	188	1620
<i>Prionotus carolinus</i>	16	88	280	612
<i>Prionotus evolvans</i>	77	19	4424	4160
<i>Myoxocephalus aeneus</i>	25	11322	991729	630371
<i>Etropus microstomus</i>	11391	8	36	36
<i>Scophthalmus aquosus</i>	8	8	539	79
<i>Pseudopleuronectes americanus</i>	11391	79	837	978
Fish fragments	363	516	4330	6222
<i>Aequorea spp</i>	5879	13386	202282	322551
<i>Mytilus edulis</i>	201444	289930	1733	1547
Class Polychaeta	39	30	29	197
Phlebobranchia	7	321	321	197
<i>Palaemonetes vulgaris</i>	7	321	321	197
<i>Crangon septemspinosa</i>	7	321	321	197
<i>Cancer irroratus</i>	7	321	321	197
<i>Ovalipes ocellatus</i>	7	321	321	197
Invertebrate fragments	7	321	321	197
Totals	248235	325132	1519876	1103211

Appendix Table 4. (cont.)

26-30 December

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	22	22	5087	407
<i>Conger oceanicus</i>	-	37	-	1055
<i>Alosa aestivalis</i>	2378	2270	11060	13748
<i>Alosa pseudoharengus</i>	459	285	10372	6710
<i>Alosa sapidissima</i>	-	166	-	1677
<i>Brevoortia tyrannus</i>	217	160	14129	9741
<i>Anchoa mitchilli</i>	110	104	450	278
<i>Opsanus tau</i>	21	46	273	387
<i>Merluccius bilinearis</i>	41	108	3581	13936
<i>Urophycis chuss</i>	106	64	1483	981
<i>Urophycis regius</i>	-	8	-	127
<i>Cyprinodon variegatus</i>	208	241	367	390
<i>Fundulus heteroclitus</i>	41	36	91	117
<i>Fundulus majalis</i>	-	13	-	80
<i>Menidia sp.</i>	9	-	9	-
<i>Menidia menidia</i>	4479	4262	16594	15422
<i>Apeltes quadracus</i>	635	643	510	642
<i>Gasterosteus aculeatus</i>	10	7	20	7
<i>Hippocampus erectus</i>	-	222	-	286
<i>Syngnathus fuscus</i>	617	635	927	889
<i>Morone americana</i>	8	28	4149	4309
<i>Micropogon undulatus</i>	-	13	-	23
<i>Tautoga onitis</i>	256	145	8225	7195
<i>Tautoglabrus adspersus</i>	5	22	21	123
<i>Chasmodes bosquianus</i>	27	12	120	58
<i>Hypsoblennius hentzi</i>	8	16	132	61
<i>Ammodytes sp.</i>	-	11	-	16
<i>Gobiosoma boscii</i>	178	639	152	637
<i>Myoxocephalus aeneus</i>	37	24	700	213
<i>Etropus microstomus</i>	28	36	244	213
<i>Scophthalmus aquosus</i>	11	-	33	-
<i>Pseudopleuronectes americanus</i>	4685	4129	368851	279404
<i>Trinectes maculatus</i>	9	-	469	-
<i>Aequorea spp</i>	10	-	94	-
<i>Mytilus edulis</i>	-	8	-	8
Class Polychaeta	313	301	455	512
Palaeomonetes vulgaris	22007	16299	10250	6164
Crangon septemspinosus	246861	305251	223992	239743
Cancer irroratus	-	21	-	784
Callinectes sapidus	20	22	20	165
Phylum Nemerita	-	6	-	18
Totals	283815	336312	682858	606526

Appendix Table 4. (cont.)

31 December - 6 January

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	48	14	40639	13424
<i>Conger oceanicus</i>	24	16	932	420
<i>Alosa aestivallis</i>	18230	26490	53535	79416
<i>Alosa pseudoharengus</i>	241	222	5574	3134
<i>Alosa sapidissima</i>	92	319	692	3297
<i>Brevoortia tyrannus</i>	71	76	5067	5461
<i>Clupea harengus</i>	10	-	1935	-
<i>Anchoa mitchilli</i>	24	6	96	38
<i>Opsanus tau</i>	-	21	-	62
<i>Merluccius bilinearis</i>	37	19	6976	5082
<i>Urophycis chuss</i>	-	38	-	828
<i>Cyprinodon variegatus</i>	18	186	18	325
<i>Fundulus heteroclitus</i>	18	-	25	-
<i>Fundulus majalis</i>	-	8	-	39
<i>Lucania parva</i>	-	6	-	6
<i>Menidia menidia</i>	5143	7320	22488	31464
<i>Apeltes quadracus</i>	502	295	474	278
<i>Gasterosteus aculeatus</i>	-	8	-	8
<i>Syngnathus fuscus</i>	897	667	1324	768
<i>Morone americana</i>	-	8	-	1008
<i>Microponon undulatus</i>	48	-	48	-
<i>Tautoga onitis</i>	193	145	1464	1510
<i>Tautoglabrus adspersus</i>	6	16	71	38
<i>Chasmodes bosquianus</i>	-	8	-	110
<i>Ammodytes sp.</i>	-	17	-	94
<i>Gobiosoma boscii</i>	18	51	18	67
<i>Myoxocephalus aeneus</i>	153	44	2141	726
<i>Myoxocephalus octodecemspinosus</i>	-	10	-	77
<i>Etropus microstomus</i>	37	29	56	115
<i>Scophthalmus aquosus</i>	57	14	4236	46
<i>Pseudopleuronectes americanus</i>	19533	5060	5462100	695660
Fish fragments	-	-	-	1137
Class <i>Polychaeta</i>	123	216	390	444
<i>Palaeomonetes vulgaris</i>	35175	15341	12426	7365
<i>Crangon septemspinosus</i>	235495	103490	206064	88657
<i>Cancer irroratus</i>	-	24	-	1717
<i>Callinectes sapidus</i>	6	21	6	21
<i>Asterias forbesi</i>	-	16	-	126
Totals	316200	160220	5828794	942970

Appendix Table 4. (cont.)

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	4	12	74	4547
<i>Conger oceanicus</i>	-	18	-	483
<i>Alosa aestivalis</i>	5478	1426	16414	4047
<i>Alosa pseudoharengus</i>	71	47	684	523
<i>Alosa sapidissima</i>	4	35	13	217
<i>Brevoortia tyrannus</i>	11	7	44	7
<i>Anchoa mitchilli</i>	-	10	-	21
<i>Opsanus tau</i>	-	11	-	1208
<i>Merluccius bilinearis</i>	12	-	150	-
<i>Urophycis chuss</i>	77	170	130	267
<i>Cyprinodon variegatus</i>	4	10	9	60
<i>Fundulus heteroclitus</i>	1292	1847	5313	7402
<i>Menidia menidia</i>	89	100	114	115
<i>Apeltes quadracus</i>	17	13	27	20
<i>Gasterosteus aculeatus</i>	48	87	63	111
<i>Syngnathus fuscus</i>	-	4	-	1466
<i>Morone americana</i>	14	-	14	-
<i>Microgogon undulatus</i>	107	43	1209	969
<i>Tautoga onitis</i>	9	6	26	12
<i>Tautoglabrus adspersus</i>	-	32	-	236
<i>Chasmodes bosquianus</i>	7	-	94	-
<i>Hypsoblennius hentzi</i>	9	16	13	58
<i>Ammodytes sp.</i>	59	45	59	31
<i>Gobiosoma boscii</i>	31	22	612	481
<i>Myoxocephalus aeneus</i>	25	15	86	61
<i>Etropus microstomus</i>	-	8	-	613
<i>Scophthalmus aquosus</i>	1258	1942	79857	113328
<i>Pseudopleuronectes americanus</i>	551	322	1810	75
Fish fragments	7545	6178	3407	694
Class <i>Polychaeta</i>	66579	69750	61248	2678
<i>Palaemonetes vulgaris</i>	33	9	2176	62244
<i>Crangon septemspinosus</i>	-	7	-	403
<i>Cancer irroratus</i>	-	-	-	98
<i>Procambarus acutus</i>	-	-	-	-
Totals	83334	82192	173646	202473

Appendix Table 4. (cont.)

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
14-20 January				
Anguilla rostrata	12	18	12	2696
Conger oceanicus	--	17	--	1175
Alosa aestivalis	718	294	1938	733
Alosa pseudoharengus	12	10	86	59
Alosa sapidissima	31	26	270	192
Anchoa mitchilli	11	7	11	4
Opsanus tau	23	25	100	1749
Cyprinodon variegatus	16	11	16	652
Fundulus heteroclitus	4	30	14	60
Menidia menidia	1197	652	4093	2100
Apeltes quadracus	105	181	734	316
Gasterosteus aculeatus	28	--	56	--
Syngnathus fuscus	132	38	247	54
Morone americana	35	11	11334	6300
Tautoga onitis	18	427	80	69292
Ammodytes sp.	6	28	12	63
Gobiosoma boscii	12	34	12	20
Scophthalmus aquosus	17	--	174	--
Pseudopleuronectes americanus	4347	2302	712926	583370
Fish fragments	--	--	--	31
Class Polychaeta	120	84	133	172
Phlebobranchia vulgaris	6467	3377	3427	1951
Crangon septemspinosa	114680	122940	92657	104778
Cancer irroratus	10	4	611	130
Asterias forbesi	10	--	58	--
Invertebrate fragments	--	--	--	20
Totals	128011	130514	829001	775913

Appendix Table 4. (cont.)

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Alosa aestivalis</i>	750	1568	2895	6448
<i>Alosa pseudoharengus</i>	156	294	775	2653
<i>Alosa sapidissima</i>	66	240	427	1756
<i>Brevoortia tyrannus</i>	11	140	140	--
<i>Opsanus tau</i>	31	20	281	69
<i>Merluccius bilinearis</i>	5	29	619	4442
<i>Urophycis chuss</i>	10	7	171	103
<i>Cyprinodon variegatus</i>	55	84	76	142
<i>Fundulus diaphanus</i>	11	--	32	--
<i>Fundulus heteroclitus</i>	11	10	75	89
<i>Menidia menidia</i>	2310	3745	9266	15146
<i>Apetes quadracus</i>	116	394	103	492
<i>Gasterosteus aculeatus</i>	692	1281	1600	3346
<i>Syngnathus fuscus</i>	51	142	94	235
<i>Morone americana</i>	8	27	467	2531
<i>Lepomis gibbosus</i>	4	--	4	--
<i>Tautoga onitis</i>	56	118	2397	2958
<i>Tautoglabrus adspersus</i>	6	--	11	--
<i>Chasmodes bosquianus</i>	11	9	75	18
<i>Hypsoblennius hentzi</i>	--	23	--	152
<i>Ammodytes</i> sp.	38	93	52	136
<i>Gobiosoma boscii</i>	161	299	181	355
<i>Myoxocephalus aeneus</i>	36	7	436	82
<i>Myoxocephalus octodecemspinosus</i>	--	13	--	416
<i>Scophthalmus aquosus</i>	4	28	1221	205
<i>Pseudopleuronectes americanus</i>	6788	9365	1277392	1505000
<i>Trinectes maculatus</i>	--	13	--	313
Fish fragments	--	--	--	319
Class Polychaeta	347	3535	1068	15270
<i>Palaeomonetes vulgaris</i>	6794	13665	4149	6184
<i>Crangon septemspinosa</i>	36038	67968	30610	52489
<i>Cancer irroratus</i>	16	--	1236	--
Totals	54580	102975	1335856	1621349

Appendix Table 4. (cont.)

28 January - 3 February

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
<i>Anguilla rostrata</i>	11	18	4053	1608
<i>Conger oceanicus</i>	9	--	360	--
<i>Alosa aestivalis</i>	2411	1414	14510	9026
<i>Alosa pseudoharengus</i>	1369	984	9246	20590
<i>Alosa sapidissima</i>	61	7	470	73
<i>Brevoortia tyrannus</i>	17	16	792	208
<i>Opsanus tau</i>	13	7	27	15
<i>Merluccius bilinearis</i>	43	51	7498	5472
<i>Urophycis chuss</i>	--	15	--	167
<i>Cyprinodon variegatus</i>	36	127	51	153
<i>Fundulus daphanus</i>	--	9	--	18
<i>Fundulus heteroclitus</i>	14	35	7	35
<i>Fundulus majalis</i>	9	--	225	--
<i>Menidia menidia</i>	5051	5108	25215	25045
<i>Apeltes quadracus</i>	153	349	167	392
<i>Gasterosteus aculeatus</i>	2739	1866	6737	4539
<i>Syngnathus fuscus</i>	72	28	110	46
<i>Morone americana</i>	--	21	--	6557
<i>Tautoga onitis</i>	60	51	596	877
<i>Tautoglabrus adspersus</i>	11	35	53	35
<i>Chasmodes bosquianus</i>	--	42	--	282
<i>Hypsoblennius hentzi</i>	11	--	129	--
<i>Ammodytes sp.</i>	11	35	140	104
<i>Gobiosoma boscii</i>	16	42	16	51
<i>Myoxocephalus aeneus</i>	29	16	393	131
<i>Myoxocephalus octodecemspinosus</i>	13	--	133	--
<i>Scophthalmus aquosus</i>	87	82	5136	179
<i>Pseudopleuronectes americanus</i>	7402	5800	1342852	863695
Fish fragments	--	--	--	15
Class Polychaeta	681	207	2283	591
<i>Palaeomonetes vulgaris</i>	5745	16165	3092	8255
<i>Crangon septemspinosus</i>	99586	83424	77694	62756
<i>Cancer irroratus</i>	--	9	--	668
Totals	125658	115960	1501985	1011582

Appendix Table 4. (cont.)

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
4-10 February				
<i>Anguilla rostrata</i>	642	14517	2066	2718
<i>Conger oceanicus</i>	-	26	-	51
<i>Alosa aestivalis</i>	337	139	908	259
<i>Alosa pseudoharengus</i>	102	36	523	424
<i>Alosa sapidissima</i>	23	-	307	-
<i>Opsanus tau</i>	14	43	42	62
<i>Merluccius bilinearis</i>	19	-	3114	-
<i>Urophycis regius</i>	-	4	-	40
<i>Cyprinodon variegatus</i>	14	-	14	-
<i>Fundulus sp.</i>	-	4	-	4
<i>Fundulus heteroclitus</i>	54	19	115	39
<i>Menidia menidia</i>	1975	804	7818	2161
<i>Apetites quadracus</i>	634	1331	508	1033
<i>Gasterosteus aculeatus</i>	329	83	737	165
<i>Syngnathus fuscus</i>	82	24	96	83
<i>Morone americana</i>	19	-	1440	-
<i>Tautoga onitis</i>	83	181	2564	2765
<i>Ammodytes sp.</i>	-	31	-	78
<i>Gobiosoma boscii</i>	33	117	33	134
<i>Myoxocephalus aeneus</i>	31	-	115	-
<i>Myoxocephalus octodecemspinosus</i>	-	19	-	462
<i>Scophthalmus aquosus</i>	-	20	-	40
<i>Pseudopleuronectes americanus</i>	5119	2084	822588	170901
Fish fragments	-	-	6	-
Class Bivalvia	6	-	-	-
Class Polychaeta	68	75	145	117
Palaeomonetes vulgaris	10152	8523	5514	2816
Crangon septemspinosus	101712	69625	86021	52885
Callinectes sapidus	-	19	-	193
<i>Asterias forbesi</i>	31	66	244	1040
Totals	121480	97789	934917	238467

Appendix Table 4. (cont.)

Species	Number		Weight	
	TP 3	TP 4	TP 3	TP 4
Anguilla rostrata	18	57	9	19
Alosa aestivalis	21	12	558	68
Alosa pseudoharengus	--	4	--	21
Opsanus tau	38	9	91	39
Fundulus heteroclitus	--	4	--	4
Fundulus majalis	12	--	96	--
Menidia menidia	49	63	179	170
Apeites quadracus	112	129	131	159
Gasterosteus aculeatus	--	17	--	45
Morone americana	12	--	1164	--
Tautoga onitis	34	--	421	--
Tautoglabrus adspersus	8	--	51	--
Ammodytes sp.	47	11	196	26
Gobiosoma boscii	15	26	15	30
Myoxocephalus aeneus	29	10	222	20
Pseudopleuronectes americanus	2460	861	40557	36919
Class Polychaeta	47	64	121	135
Palaeomonetes vulgaris	58650	70804	26387	22537
Crangon septemspinosa	167549	112655	137408	80783
Cancer irroratus	--	4	--	200
Callinectes sapidus	--	4	--	4
Class Holothuroidea	--	40	--	498
Invertebrate fragments	--	--	--	4
Phylum Nemertea	6	--	6	--
Totals	229106	184773	207613	141680